

AN ANNOTATED LIST OF NORTH AMERICAN BLASTOBASINAE
(LEPIDOPTERA: GELECHIOIDEA: COLEOPHORIDAE)

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Abstract.—An annotated list of the North American Blastobasinae (Lepidoptera: Gelechioidea: Coleophoridae) is based upon the examination of type specimens of all available names. In addition, an abridged list is included to facilitate taxonomic reference. Lectotypes are designated for 52 species. Sixty-one **new synonymies** are proposed; including *Blastobasis modestella* (Clemens, 1863), a suppressed senior synonym of *B. glandulella* (Riley, 1871), pending ruling on application for suppression submitted to ICZN. Four species are elevated from varietal status to full species status, one species is of revised status, and one species is of new status. *Blastobasis segnella* Zeller, 1873 is omitted from the list because it does not occur in America North of Mexico.

Key Words: Lepidoptera, Coleophoridae, check list

The Blastobasinae are small to medium-sized, narrow-winged moths. Approximately 200 species are known worldwide. This number, however, greatly underestimates the species richness of the group because many undescribed species, especially from the Neotropics, are represented in museum collections. The blastobasine moths are probably one of the most commonly collected groups of Gelechioidea in the Americas. Yet this subfamily may be one of the least known to science. Generally, species are drab with few, if any, diagnostic wing color patterns, making identifications difficult unless the genitalia are examined.

Since Meyrick (1894) the Blastobasinae have been considered to be a monophyletic group. Recent studies (Adamski and Brown 1989, Hodges, in press) have corroborated this notion and have rigorously established the monophyletic relationships among the genera and the phylogenetic relationships of Blastobasinae within Gelechioidea. Our list

follows the current phylogenetic classification of the Gelechioidea proposed by Hodges (in press). In this work the Blastobasidae (*sensu* Adamski and Brown 1989) are treated as a subfamily within the Coleophoridae. Consequently, all higher category names proposed by Adamski and Brown (1989) are reduced in level within this list.

MATERIALS AND METHODS

All type specimens were obtained by loan or examined and dissected at the following institutions: ANSP—Academy of Natural Sciences of Philadelphia, Pennsylvania, USA; BMNH—The Natural History Museum, London (formerly, British Museum of Natural History), England; CNC—Canadian National Collection, Agriculture Canada, Ottawa, Canada; MCZ—Museum of Comparative Zoology, Harvard University Cambridge, Massachusetts, USA; UCB—University of California, Berkeley, California, USA; USNM—National Museum

um of Natural History, Smithsonian Institution, Washington, D.C., USA.

Approximately 450 permanent slide mounts of male and female genitalia were prepared following the method of Clarke (1941). Genital slide mounts of material examined at The Natural History Museum, London were prepared following Robinson (1976). Both methods of dissection were modified by using mercurochrome and chlorazol black as separate staining procedures and by mounting the aedeagus *in situ* to enable accurate interpretation of the anellus and associated structures. Within our list, label data taken verbatim are expressed within quotations, while bracketed data are used to complete label data written in abbreviated form, or to help with the recognition of certain labels by description of condition, e.g., [red label]. Specimen data for some species include Hopkins numbers, a record-keeping system used by the United States Forest Service to verify the association of reared specimens with their hosts, damage, and other information.

ANNOTATED LIST

BLASTOBASINAE, Meyrick, 1894:22

HOLCOCERINI Adamski, *in* Adamski and Brown 1989:16, **NEW STATUS**

ASAPHOCRITA Meyrick 1931:78

HOLCOCERINA McDunnough 1961:14

aphidiella (Walsingham 1907a:205), *Holcocera*, **N. COMB.**

Holotype ♂. "Pupa in gall of *Phylloxera* on Hickory [*Carya* sp.], Oct[ober]/[18]82"; "3689, Wlsm, 1889"; "31. Unique; not named in Europe, 1884, 1886" [hand-written label]; "*Blastobasis aphidiella* Riley MS, ♂" [hand-written label]; "*Holcocera aphidiella* Wals., Type"; "USNM Type No. 10676" [red label]; "USNM ♂ genitalia slide 80993, DA 2423" [green label]. The holotype has the left pair of wings and the right forewing mounted on a rectangular card beneath the specimen, [USNM]. Eight

specimens in the MCZ (each bearing a red cotype label) represent a series of the manuscript name "*H[olcocera] cardinella* Dietz." One specimen bears a hand-written determination label. These specimens are conspecific with *A. aphidiella*.

dives (Dietz 1910:26), *Holcocera*, **N. SYN.**

Lectotype here designated: ♂, "Hazleton, P[ennsylvania]. [Charleroi, Pa.], El[ectric] l[igh]t, 6[June]/13/[18]89"; "cotype" [red label]; "USNM ♂ genitalia slide 81002, DA 2432" [green label], [USNM].

Paralectotypes 1 ♂, 5 ♀. (1) "5[May]/[19]07"; "Cohasset Mass[achusetts]"; "Owen Bryant collector"; [specimen not dissected]. 1 ♀, USNM. (2) "Plummer's [sic] I[sland], M[arylan]d, July 1903"; "Aug[ust] Busck collector"; "cotype" [red label]; "*H[olcocera] dives* Dietz" [hand-written label]; "USNM ♀ genitalia slide 81001, DA 2431" [green label]. 1 ♀, [USNM]. (3) "6[June]/5/[18]95" [hand-written label, in red ink]; "Dr. Dietz, Hazleton, Penn[sylvania]a"; "cotype" [red label]; "USNM ♀ genitalia slide 81003, DA 2433" [green label]. 1 ♀, [USNM]. (4) "Hazleton P[ennsylvania], 6[June]/3/[19]03, *Pinus*"; "cotype" [red label]; "WG Dietz, Coll[ection]"; "D Adamski ♀ genitalia slide 2083" [green label]; "Type 2951" [red label]. 1 ♀, [MCZ]. (5) "Hazleton P[ennsylvania], 6[June]/5/[19]02"; "WG Dietz Coll[ection]"; "D Adamski ♀ genitalia slide 2084" [green label]; "Type 2951" [red label]. 1 ♀, [MCZ]. (6) "Toronto Can[ada], 6[June]/2[illegible]/[18]97"; "cotype" [red label]; "WG Dietz coll[ection]"; (specimen is missing abdomen and both hindwings). 1 ♂, [MCZ]. All syntypes are accounted for.

basipallidella (Dietz 1910:27), *Holcocera dives*, var., **N. SYN.**

Lectotype here designated: ♂, "June 16/[19]07"; "Cohasset Mass[achusetts]"; "Owen Bryant collector"; "cotype" [red label]; "*H[olcocera] dives* var. *basipalli-*

della Dietz" [hand-written label]; "USNM ♂ genitalia slide 81004, DA 2434" [green label]. [USNM].

Paralectotypes 1 ♂, 1 ♀. (1) "6[June]/13/1904"; "Hampton N[ew]H[ampshire], SA Shaw [collector]"; "95"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2951" [red label]; "D Adamski ♂ genitalia slide 2082" [green label]. 1 ♂, [MCZ]. (2) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/28/[19]04"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2951" [red label]; "*H[olcocera] basipallidella* Dietz" [hand-written label]; "D Adamski ♀ genitalia slide 2085" [green label]. 1 ♀, [MCZ]. All syntypes are accounted for.

confluentella (Dietz 1910:36), *Holcocera*,
N. SYN., N. COMB.

Lectotype here designated: ♀, "July 5, 1907"; "Cohasset Mass[achusetts]"; "Owen Bryant collector"; "cotype"; "USNM ♀ genitalia slide 80999, DA 2429" [green label]; "*H[olcocera] confluentella* Dietz" [hand-written label], [USNM].

Paralectotypes 2 ♀. (1) "Cent[ury] N[ew] Y[ork], 6[June]/12/[18]99"; "cotype"; "WG Dietz Coll[ection]"; "Type 2955" [red label]; "D Adamski ♀ genitalia slide 2156" [green label]; 1 ♀, [MCZ]. (2) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/7/[19]02"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2955" [red label]; "*H[olcocera] confluentella* Dietz, Type" [hand-written label] [specimen is missing abdomen]. 1 ♀, [MCZ]. One syntype is lost.

simplicis (McDunnough 1961:17), *Holcocerina*, N. SYN., N. COMB.

Holotype: ♂. "Armdale, Halifax Co[unty] N[ova] S[cotia], 6/VI[June]/1947, DC Ferguson"; "Slide no. *Hol[cocerina]*. 8a, ♂" [blue label]; "Holotype; *Holcocerina simplicis* McD[unnough], no.7768" [hand-written label], [CNC].

Paratypes 1 ♂, 1 ♀. Both specimens with same data as holotype, except ♀, "Slide no. *Hol[cocerina]* 8a, ♀" [blue label], [CNC].

busckiella (Dietz 1910:36), *Holcocera*

Lectotype here designated: ♂, "Plummer's [sic] I[sland] M[arylan]d, July 1903"; "Aug[ust] Busck collector"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2956" [red label]; "*H[olcocera] busckiella* Dietz" [hand-written label]; "D Adamski ♂ genitalia slide 2067" [green label], [MCZ].

Paralectotypes 5 ♂, 1 ♀. (1) same data as lectotype except, "D Adamski ♂ genitalia slide 2068" [green label]. 1 ♂, [MCZ]. (2), same data as lectotype, except, "USNM ♂ genitalia slide 80994, DA 2424" [green label]. 1 ♂, [USNM]. (3–5) same data as lectotype, each specimen is missing abdomen. 2 ♂, 1 ♀, [USNM]. (6) same data as lectotype, except, "Plummer's [sic] Isl[and], Potomac River, M[arylan]d, at light, Aug[ust] 21, 1902" [hand-written label], (specimen is missing abdomen). 1 ♂, [USNM]. All syntypes are accounted for.

estriatella (Dietz 1910:28), *Holcocera*

Holotype ♂. "July 16/[19]07"; "Cohasset Mass[achusetts]"; "Owen Bryant collector"; "Type" [red label]; "WG Dietz Collection"; "Type 2970" [red label]; "*H[olcocera] estriatella* Dietz, Type" [hand-written label]; "D Adamski ♂ genitalia slide 2090" [green label], [MCZ].

simuloides (McDunnough 1961:16), *Holcocerina*, N. SYN.

Holotype ♂. "Lake Kejimikujik, Queens Co[unty] N[ova] S[cotia], 2/VI[June]/1958, DC Ferguson"; "Slide no. *Hol[cocerina]* 8f, ♂" [blue label]; "Holotype, *Holcocerina simuloides* McD[unnough], no.7767"; [right wing torn at apex], [CNC].

Paratypes 4 ♀. (1–2) same data as holotype except, "May 28, 1958"; and "May 29, 1958"; "Slide no. 8d, ♀" [blue label].

2 ♀, [CNC]. (3, 4) Waverley, Nova Scotia, "May 20, 1951" and "June 1, 1952." 2 ♀, [CNC].

fuscopurpurella (Dietz 1910:9), *Blastobasis plummerella* var., N. STA.

Lectotype here designated: ♀, "Plummer's [sic] I[sland], M[arylan]d, July 1903"; "Aug[ust] Busck collector"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2962" [red label]; "D Adamski ♀ genitalia slide 2044" [green label], [MCZ]. One syntype is lost.

irenica (Walsingham 1907a:208), *Catacrypsis*, N. COMB.

Holotype ♀. "Type" [red-bordered disc label]; "Mouth of Albion R[iver], Mendocino Co[unty] California, 30-31, V[May]-1871, Wlsm 90429"; "Walsingham Collection, 1910-427"; "BM ♀ genitalia slide 28081"; "*Catacrypsis irenica* Wlsm, Type ♀"; [BMNH].

Paratype 1 ♀. "New Westminster, British Columbia, 13/IV[April]/1900, C. D[u]r[ra]nt 35873"; "Walsingham Collection, 1910-427"; "*Catacrypsis irenica* Wlsm, paratype 1/1.", [BMNH].

plagiata (Dietz 1910:40), *Holcocera*

Holotype ♂. "Williams, Ar[izona], 26/7[July]"; "HS Barber collector"; "Type" [red label]; "WG Dietz Collection"; "Type 2957" [red label]; "*H[olcocera] plagiata* Dietz"; "D Adamski ♂ genitalia slide 2124" [green label]; [MCZ].

plummerella (Dietz 1910:8), *Blastobasis*

Lectotype here designated: ♂, "Plummer's [sic] I[sland] M[arylan]d, July 1903"; "Aug[ust] Busck collector"; "cotype" [red label]; "WG Dietz Collection"; "Type 2961" [red label]; "*B[lastobasis] plummerella* Dietz, cotype" [hand-written label]; "D Adamski ♂ genitalia slide 2043" [green label], [MCZ].

Paratypes 3 ♂, 1 ♀. (1) same data as lec-

totype, except, "28/4[April]/[19]03." Specimen is missing both hindwings and the abdomen. 1 ♂, [MCZ]. (2-4) same data as lectotype, each missing abdomen, and one male missing head. 2 ♂, 1 ♂, [USNM]. One syntype is lost.

protypica Meyrick 1931:178, *Asaphocrita*

Lectotype designated by Clarke (1963:477): ♂, "Lectotype" [disc label]; "Fort Davis, Texas, 5000', 10[October]/27"; "Lectotype, *Asaphocrita protypica* Meyrick, JFGC 1948"; "*Asaphocrita protypica* Meyr[ick], 15/1, E[dward Meyrick det., in Meyrick Coll[ection]"; "*Asaphocrita* Meyr"; "*protypica* Meyr"; "Meyrick Coll[ection], BM 1938-290"; [BMNH]. Lectotype is missing left hindwing.

Paralectotypes 1 ♂ 12 ♀. (1) Fort Davis, Texas. 1 ♀, BM. (2-5) Bent, New Mexico. 4 ♀, BM. (6-11) Mescalero, New Mexico. 6 ♀, [BMNH]. (12-13) Bent, New Mexico: "USNM ♂ genitalia slide 80991, DA 2421" [green label]; USNM ♀ genitalia slide 80992, DA 2422" [green label]. 1 ♂, 1 ♀, [USNM]. One syntype is missing.

sciaphilella (Zeller 1873:295), *Blastobasis*

Holotype ♂. "Type 1713" [red label]; "Dallas Tex[as], Boll"; "*Blastobasis sciaphilella* Z[eller]" [green label]; "D Adamski ♂ genitalia slide 2141" [green label], [MCZ].

stygna (Walsingham 1907a:207), *Catacrypsis*, N. SYN., N. COMB.

Holotype ♂. "Type" [disc label]; "N[orth] n[ea]r Mendocina [sic] City, California, 3-5, VI[June]/1871, Wlsm 90425"; "*Catacrypsis stygna* Wals., Pr. US Nat. Mus., 33, p. 207 (1907), Type ♂"; [BMNH]. Holotype is missing abdomen.

triangularisella (Chambers 1875a:256), *Holcocera*

Holotype ♂. "Type 1550" [red label]; "Kentucky, Chambers"; "*Holcocera trian-*

gularisella Cham." [hand-written label]; "D Adamski ♂ genitalia slide 2142" [green label], (specimen is missing wings on left side), [MCZ].

HOLCOCERA Clemens 1863:121

CYNOTES Walsingham 1907b:210

EUBOLEPIA Dietz 1910:67

HOLOCERA Dietz 1910:33, missp.

anomalella (Dietz 1910:68), *Eubolepia*

Holotype ♀. "16700"; "Pinal M[ountain], Ariz[ona]"; "Type" [red label]; "*Eubolepia anomalella* Dietz"; "USNM ♀ genitalia slide 81032, DA 2462" [green label], [USNM].

chalcfrontella Clemens 1863:122, *Holcocera*

Holotype ♂. "201"; "Type 7381" [red label], [white Clemens ID label]; "D Adamski ♂ genitalia slide 2843" [green label]. Holotype probably was collected in Easton, Pennsylvania, [ANSP].

purpurocomella Clemens, 1863:122, *Holcocera*, N. SYN.

Holotype ♀. "200"; "Type 7383" [red label], [white Clemens ID label]; "D Adamski ♀ genitalia slide 2845" [green label]. Specimen is missing right pair of wings. Holotype probably was collected in Easton, Pennsylvania, [ANSP].

gibbociliella Clemens 1863:122, *Holcocera*, N. SYN.

Holotype ♂. "203"; "Type 7382" [red label], [white Clemens ID label]; "D Adamski ♂ genitalia slide 2844" [green label]. Holotype probably was collected in Easton, Pennsylvania, [ANSP].

gibbociliella Forbes 1923:310; Hodges 1983:15; Adamski and Brown 1989:24, missp.

quisquiliella (Zeller 1873:298), *Blastobasis chalcfrontella* var.

Lectotype here designated: ♂, "Type 1712" [red label]; "Dallas Tex[as], Boll"; "Zeller"; "*Blastobasis quisquiliella* Z[eller]" [green label]; "D Adamski ♂ genitalia slide 2072" [green label], [MCZ].

Paralectotypes 2 ♀. (1–2) same data as lectotype except, one specimen with, "D Adamski ♀ genitalia slide 2073" [green label] (specimen is missing right pair of wings); second specimen is missing abdomen. 2 ♀, [MCZ]. Two syntypes are missing.

livorella (Zeller 1873:299), *Blastobasis*, N. SYN.

Holotype ♂. "Type" [disc label]; "Dallas Tex[as], Boll, Hagen, 371, 1871, Zeller] Coll[ection], 101614"; "*Blastobasis livorella* Z[eller], Texas, H[a]g[en] 71" [green label]; "BM ♂ genitalia slide 28079", [BMNH].

maligemmella (Murtfeldt 1898:5), *Nothris*?, N. SYN.

Holotype ♂. "Type no. 401 USNM"; "Jackson Co[unty], M[issouri]"; "Stedman Collection"; "*Nothris maligemmella* Murtfeldt"; "Bull[etin] 42, Missouri Exp Sta, P. 42"; "Wing slide no. 12298"; "Type 4017" [red label]; "USNM ♂ genitalia slide 81018, DA 2448" [green label]. Specimen is missing right forewing, [USNM].

ochrocephala Dietz 1910:31, *Holcocera*, N. SYN.

Lectotype here designated: ♂, "Aurora, W[est] V[irginia], Aug[ust] 21, 1904"; "O Heidemann collector"; "cotype" [red label], [Id label of Dietz]; "USNM ♂ genitalia slide 81025, DA 2455" [green label]. The specimen was misidentified as female by Dietz (1910:32), [USNM].

Other specimens.—A male specimen from Plummers Island, Maryland is in MCZ. Although the locality data for this

specimen do not agree with "the locality" (Frederick, MD) for the second syntype, it may have been one of the two specimens on which Dietz based the original description for *H. ochrocephala*. Data for this specimen are as follows: "Plummer's [sic] I[sland], M[arylan]d, May [19]03"; "Aug[ust] Busck collector"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2952" [red label]; "*H[olcocera] ochrocephala* Dietz" [hand-written label]; "D Adamski ♂ genitalia slide 2123" [green label], [MCZ].

minorella Dietz 1910:34, *Holcocera chalcfrontella*, var.

Lectotype here designated: ♂, "Lewisburg, P[ennsylvania], Bred from Chest[nut] burrs"; "cotype" [red label]; "MCZ Lectotype 2953" [red label, affixed to pin by Adamski] (specimen is not dissected), [MCZ].

Paralectotypes 1 ♂, 4 ♀. (1–3) same data as lectotype except, they lack cotype labels, and one ♀ with "Dietz-took 3 of these." Specimens are not dissected. 1 ♂, 2 ♀, [MCZ]. (4) "4165a"; "Bred spe[ci]m[en] IV[April]23"; "Lewisburg X[October]/9/[19]05" [hand-written label]; "From burrs of chestnuts" [hand-written label]; "Dep[artmen]t of Agr[iculture] no. 483" [hand-written label]; "cotype" [red label]. Specimen is from the Kearfott Collection. Specimen not dissected and is missing left forewing. 1 ♀, [USNM]. (5) "4165a"; "Lewisburg, P[ennsylvania]" [hand-written label]; "Bred spe[ci]m[en] III[March]22"; "From burrs of chestnuts" [hand-written label]; "Dep[artmen]t of Agr[iculture] no. 483" [hand-written label]; "cotype" [red label]. Specimen not dissected and is missing right pair of wings. Specimen is from the Kearfott Collection. 1 ♀, [USNM].

Other specimens.—One ♀ from Lewisburg Pennsylvania, bred from burrs of Chestnuts by NF Davis is in MCZ, but it is not considered one of the original syntypes. In addition, two specimens in MCZ from

Hallowell, Pennsylvania bearing cotype label and MCZ type label no. 2953 are not considered part of original syntype series.

fumerella Dietz 1910:35, *Holcocera chalcfrontella*, var.

Lectotype here designated: ♀, "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/6/[19]02"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2954" [red label]; "D Adamski ♀ genitalia slide 2074" [green label], [MCZ].

Paralectotypes 7 ♀. (1) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 7[July]/14/[19]02"; "cotype"; "WG Dietz Coll[ection]"; "Type 2954" [red label]; "*H[olcocera] chalcfrontella* var. *fumerella* Dietz, Type" [hand-written label]; "D Adamski ♀ genitalia slide 2075" [green label]. 1 ♀, [MCZ]. (2) "Hazleton, P[ennsylvania], El[ectric] l[igh]t, 6[June]/3/[18]99"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2954" [red label], (specimen not dissected). 1 ♀, [MCZ]. (3) "Hazleton P[ennsylvania], El[ectric] l[igh]t 6[June]/29/[18]90"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2955" [red label] (erroneously labeled), (specimen not dissected). 1 ♀, [MCZ]. (4) "Bred from *Rhus typhosa*, 5[May]/16/[19]06"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2954" [red label]; "D Adamski ♀ genitalia slide 2076" [green label]. 1 ♀, [MCZ]. (5) "Bred from *Rhus typhosa*, V[May]/16/[19]04"; "WG Dietz Coll[ection]" (specimen not dissected). 1 ♀, [MCZ]. (6) "Bred from Sumac racemes, 5[May]/24/[19]06"; "cotype" [red label]; "*H[olcocera] chalcfrontella* var. *fumerella* Dietz" [hand-written label] (specimen not dissected). 1 ♀, [MCZ]. (7) "Hazleton P[ennsylvania], 6[June]/12/[19]illegible"; "cotype" [red label] (specimen missing abdomen). 1 ♀, [MCZ].

reductella Dietz 1910:45, *Holcocera funebra*, var., N. SYN., REV. COMB.

Lectotype here designated: ♂, "Criddle

[collector] Aweme Man[itoba], 6/VI[June]/[19]04"; "*Blastobasis phycidella* Z[eller]" [hand-written label]; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2959" [red label]; "*H[olcocera] funebra* var. *reductella* Dietz" [hand-written label]; "D Adamski ♂ genitalia slide 2095" [green label]; [MCZ].

Paralectotype 1 ♀. "Criddle, Aweme Man[itoba] 23/IV[April]/[19]03" (specimen is missing abdomen), [USNM].

coccivorella (Chambers 1880:244), *Blastobasis*

The description of *Blastobasis coccivorella* is based on two females from Cedar Key, Florida that were reared from coccid-scales on oak (*Kermes*, near *pallidus* Reaumur). The infested scales were collected in March and issued between April 1–10. The two syntypes apparently are lost.

crassicornella Dietz 1910:32, *Holcocera*

Holotype ♂. "Florida" [hand-written label]; "Type" [red label]; "*H[olcocera] crassicornella* Dietz, Type." Holotype is missing the abdomen; other body parts are within a gelatin capsule on pin; [USNM].

eribotryae (Busck 1915:85), *Blastobasis*, N. SYN.

Lectotype here designated: ♂, "From Loquat [*Eriobotrya japonica*], Miami Fl[orid]a, iss[ued] [=emerged]. July 1910" [hand-written label]; "USNM Type no. 19233" [red label], (holotype not dissected), [USNM].

Paralectotypes 7 ♂, 10 ♀. (1–14) "From mummy fruit of Loquat." 5 ♂, 7 ♀, [USNM]; 1 ♂, 1 ♀, [MCZ]. (15) "From dry fruit of Loquat." 1 ♀, [USNM]. (16–17) "From fruit of Loquat." 1 ♂, 1 ♀, USNM. Three USNM paralectotypes: ♂, "USNM ♂ genitalia slide 81573a, DA 3174" [green label]; "*Blastobasis eribotryae* Busck, Cotype" [hand-written label]; ♀, "USNM female genitalia slide 81574a,

DA 3175" [green label]; "*Blastobasis eribotryae* Busck, Cotype" [hand-written label]; ♀; "USNM ♀ wing slide 81574, DA 3179" [green label]. Two MCZ paralectotypes: ♂, "ex USNM"; "D Adamski ♂ genitalia slide 2040" [green label]; "*Blastobasis eribotryae* Busck, 466" [hand-written label]; ♀; "ex USNM"; "D Adamski ♀ genitalia slide 2041" [green label].

gargantuella (Heinrich 1920:69), *Eubolepia*

Holotype ♂. "12182, Hopk[ins], U[nited] S[tates]"; "Reared May 7–15"; "WD Edmonston col[lecto]r"; "Geo[rge] Hofer col[lecto]r"; "B[r]ush Corral, Ariz[ona]"; "Galls on White Oak"; "♂ genitalia on slide CH, 13-Dec[ember]-1917"; "USNM Type no. 21810" [red label]; "*Eubolepia gargantuella* Heinrich, Type" [hand-written label], [USNM].

Paratypes 10 ♂, 5 ♀. Of the fifteen paratypes only eight specimens have paratype labels on the pin. Because the remaining seven specimens have the same label data as holotype and the other paratypes, there is no reason to exclude them from the paratype series. All paratypes are in USNM. In addition, several vials of larvae and adults are in the USNM alcohol collection.

Other specimens.—Thirty-six specimens collected from Sabino Canyon, Arizona, reared from galls of Cynipidae by G Hofer are in the USNM Collection. In addition, eleven specimens collected from Baboquivari Mountains, Pima County, Arizona, reared from oak galls by OC Poling are in USNM Collection.

gigantella Chambers 1876:219, *Holcocera*

Lectotype designated by Powell (1976): ♂, "Type 1551" [red label]; "Chambers Color[ado]" [hand-written label]; "*Blastobasis gigantella* Col[orado]." [hand-written label]; "♂"; "Genitalia 4008, JAP'75"; "Lectotype, *Holcocera gigantella* Chambers, By JAP'76"; [MCZ].

Paralectotypes 2 ♂, 2 ♀. Paralectotypes

have same data as the lectotype except: (1) "Genitalia 4009, JAP'75". 1 ♀, [MCZ]. (2) "D Adamski ♀ genitalia slide 2099" [green label]. 1 ♀, [MCZ]. (3) (specimen is missing abdomen). 1 ♂, [MCZ]. (4) "*Blastobasis gigantella* Col." (specimen not dissected). 1 ♂, [USNM].

guilandinae (Busck 1900a:234), *Blastobasis*

Lectotype here designated: ♂, "From stem of *Guilandina bonducella*, iss[ued] [=emerged] Mar[ch] 30, 1900" [hand-written label]; "Palm Beach Fl[orid]a"; "USNM Type no. 4942" [red label]; "*Blastobasis guilandinae* Busck, ♂" [hand-written label]; "USNM ♂ genitalia slide 80980, DA 2410" [green label]; [USNM].

Paralectotype 1 ♀. "From stem of *Guilandina bonducella*, Palm B[each] Fl[orid]a, iss Mar[ch] 30, 1900" [hand-written label]; "Palm Beach Fl[orid]a"; "USNM Type no. 4942" [red label]; "*Blastobasis guilandinae* Busck, Type ♀" [hand-written label]; "USNM ♀ genitalia slide 80977, DA 2407" [green label]. [USNM].

iceryaeella (Riley 1887:484), *Blastobasis*

Lectotype designated by Adamski and Brown (1989): ♂, "Aug[ust]"; "Alameda Co[unty], Cal[ifornia]"; "*B[lastobasis] iceryaeella* Riley, Type ♂" [hand-written label]; "USNM Type 473" [red label] (specimen is missing abdomen and right forewing); [USNM].

Paralectotypes 2 ♀. (1) "Folsom Cal[ifornia], 1/7, [18]85" [hand-written label]; "101 label, Europe 1884, 1886, no name" [hand-written label]; "*Blastobasis cinereella* Riley, MS, ♀" [hand-written label]; "*Cinere[el]la* Ril[ey], MS name only = *iceryaeella* Riley" [handwritten label]; "♀ genitalia on slide no. 412, RB Selander"; "USNM Type no. 472" [red label]; "USNM ♀ genitalia slide 81591" [green label] (specimen is missing right forewing), 1 ♀, [USNM]. (2) "Folsom Cal[ifornia],

1/7, [18]85" [hand-written label]; "156"; "Through CV Riley"; "*Blastobasis* spec. Wlsm/86" [hand-written label]; "♀ genitalia on slide no. 409, RB Selander"; "USNM ♀ genitalia slide 81592" [green label]. Two of the original syntypes either are missing or cannot be recognized by label data or by other evidence. According to Riley (1887) the original description of *B. iceryaeella* was based upon four males and one female. We are confident that the three specimens above are from the original syntype series because, 1) the date on label is at least two years prior to publication date, and 2) locality on label, "Folsom, Cal." and "Alameda Co. Cal.", matches that given for "USNM Type 472" and "USNM Type 473" within the USNM [Entomology] Type Catalogue. In addition, Riley (1887) states the specimens were collected by Mr. Koebele. Although the two specimens labeled "USNM Type 472" and "USNM Type 473" do not have a collector's label attached to the pin, the USNM Type Catalogue indicates that they were collected by Mr. Koebele.

phenococci Braun 1927:118, *Holcocera*,
N. SYN.

Holotype ♀. "Avalon Catalina I[sland], Calif[ornia], Aug[ust] 1926, Cockerell"; "Bred from plant infested with *Phenococcus colemani* Ehrhorn, emerged Sept[ember]"; "Type" [red label]; "*Holcocera phenococci* Braun, Type"; "D Adamski ♀ genitalia slide 2907" [green label], [ANSP].

immaculella McDunnough 1930:269, *Holcocera*

Holotype ♂. "Ottawa Ont[ario] 27/VI-[June]/1927, JH McDunnough"; "Holotype, *Holcocera immaculella* McD., No. 3104" [red label], [CNC].

Paratype 1 ♀. "Kazubazua Que[bec], 7-10/VI[June]/1927, JH McDunnough"; "Al-lotype, *Holcocera immaculella* McD., No. 3104" [red label]. [CNC].

panurgella Heinrich 1920:71, *Holcocera*

Holotype ♀. "13977, Hopk[ins] U[nited] S[tates]"; "Reared June 16/17"; "G Hofer col[lecto]r"; "S[an]ta Catalina M[oun]-t[ains], Ariz[ona]" [hand-written label]; "*Pinus cembroides*" [hand-written label]; "USNM Type no. 21812" [red label]; "*Holcocera panurgella* Heinrich, Type" [hand-written label]; "USNM genitalia slide 81026, DA 2456" [green label]. Holotype has left forewing and both hindwings in a gelatin capsule on pin, [USNM].

paradoxa Powell 1976:224, *Holcocera*

Holotype ♂. "Arizona, Madera Canyon, Santa Rita Mountains, 6 June 1968, reared from remnants of 1967 pods of *Yucca schottii*, em[er]g[e]d 24 September 1968 (J. Powell no. 68F47)." Holotype in California Academy of Sciences, [CAS].

Paratype 1 ♀. Specimen has same data as holotype except, "3 October 1968, reared from 1968 pods of *Y. schottii*, em[er]g[e]d 3 June 1969 (J. Powell no. 68K15).", [UCB].

villella (Busck 1900b:238), *Triclonella*, N.

COMB. Originally described in Oecophoridae, name omitted by Hodges (1983) and Adamski and Brown (1989).

Holotype ♂. "9216, on *Xolisma* [*Andromeda*] *ligustrina*?, C[abin] J[ohn] B[ridge], M[arylan]d, iss[ued] [= emerged] May 11/1900" [hand-written label]; "USNM ♂ genitalia slide 81572, DA 3163" [green label]; "USNM Type no. 5355" [red label]; "*Triclonella villella* Busck, Type" [hand-written label]. The holotype is missing the left forewing and right hindwing. Originally, it was misidentified as a female.

vilella Dietz 1910:6, missp.

augusti Heinrich 1920:70, *Holcocera*, N. SYN.

Holotype ♂. "12536k, Hopk[ins] U[nited] S[tates]"; "Reared May 15/[19]15"; "JE Patterson col[lecto]r" [hand-written label]; "Ashland Ore[gon]"; "*Pseudotsuga taxifolia*"; "♂ genitalia on slide CH-13 Dec[ember]-1917" [hand-written label]; "USNM Type no. 21811" [red label]; "*Holcocera augusti* Heinrich, Type"; [USNM].

Paratypes 12 ♂, 11 ♀, 1 Sex?. Only eleven specimens with red USNM paratype label, however, all with specific Hopkins numbers Heinrich (1920). (1–2) "13266e, Hopk[ins] U[nited] S[tates]." 1 ♂, 1 ♀, [USNM]. (3–17) "12536k, Hopk[ins] U[nited] S[tates]." 7 ♂, 7 ♀, [USNM]. (18) "1080h, Hopk[ins] U[nited] S[tates]." 1 ♀, [USNM]. (19) "10834e, Hopk[ins] U[nited] S[tates]." (1 ♀). (20–22) "10834b4, Hopk[ins] U[nited] S[tates]." 2 ♂, 1 Sex?, [USNM]. (23) "14280g Hopk[ins] U[nited] S[tates]." 1 ♀, [USNM]. (24) paratype with a red USNM paratype label and a red MCZ paratype label, no. 25410, "12536k, Hopk[ins] U[nited] S[tates]"; "D Adamski ♂ genitalia slide 2063"; [green label]. 1 ♂, [MCZ].

CALOSIMA Dietz 1910:21

albapenella (Chambers 1875b:11), *Butalis*, transferred from *Scythris*, Scythrididae, Adamski and Brown (1989).

Holotype ♂. "Tex[as]"; "Chambers"; "45"; "*albapenella* Ch[am]b[ers]" [pale green label], [USNM]. The holotype is mounted on two microscope slides: JFL-85-0290a [USNM 81583], right forewing and hindwing; JFL-85-0290b [USNM 81584], head, thorax, and male genitalia.

citricolella (Chambers 1880:206), *Blastobasis*, N. SYN., N. COMB.

Lectotype here designated: ♀, "No. 457, From dry orange, Jacksonville Fl[orid]a, Iss March 17/[19]80"; "USNM Type no. 3774" [red label]; "3688, Wlsm 1899"; "*Blastobasis citricolella* Cham." [hand-written label]; "*Blastobasis(?) citricolella*

Chamb., ♀, named by D[u]r[ra]nt” [hand-written label]; “*Comstockia citricolella*” [manuscript name], [USNM]. The holotype is missing the right forewing, left hindwing, and abdomen.

Paralectotype 1 ♀. “1101P, *Tinea* from granite apple, iss Apr[il] 21/[18]79” [hand-written label]; “*T[inea] citricolella* Ch[ambers]” [hand-written label]; “USNM ♀ genitalia slide 80981, DA 2411” [green label]. [USNM].

nana (Dietz 1910:48), *Holcocera*, N. SYN., N. COMB.

Holotype ♀. “Brownsville Tex[as], 9/V[May]/[19]04”; “HS Barber collector”; “Type” [red label]; “*H[olcocera] nana* Dietz”, (specimen is missing abdomen), [USNM].

argyrosplendella Dietz 1910:22, *Calosima*

Lectotype designated by Adamski and Brown (1989): ♂, “Hazleton P[ennsylvania], 7[July]/4/[19]06”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2968” [red label]; “*C[alosima] argyrosplendella* Dietz, Cotype” [hand-written label]; “D Adamski ♂ genitalia slide 2059” [green label], [MCZ].

Paratypes 1 ♂, 1 ♀. (1) “Hastings Fl[orid]a, 5[May]/16/[19]02”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2968” [red label]; “D Adamski ♀ genitalia slide 2060” [green label]; “*C[alosima] argyrosplendella* Dietz, Cotype” [hand-written label] (specimen is missing right pair of wings). 1 ♀, [MCZ]. (2) “Vowells Mill L[ouisiana], 4[April]/[19]02”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2968” [red label]; “*C[alosima] argyrosplendella* Dietz, Cotype” [hand-written label]. Specimen is missing right hindwing and abdomen. 1 ♂, [MCZ]. All syntypes are accounted for.

dianella Dietz 1910:22, *Calosima*

Holotype ♂. “Forsyth G[eorgia], [18]-

95”; “Type” [red label]; “WG Dietz Coll[ection]”; “Type 2969” [red label]; “*C[alosima] dianella* Dietz, Type” [hand-written label]; “D Adamski ♂ genitalia slide 2061” [green label]; [MCZ].

lepidophaga (Clarke 1960:115), *Holcocera*, N. SYN.

Holotype ♂. “Baker Co[unty] Fl[orid]a, Coll[ected] 2[February]/20/[19]58, reared 4[April]/20/[19]58, *Pinus elliotti*, ♂ fl[ower] buds”; “MR 19, Coll[ector] BH Ebel”; “Hopk[ins] U[nited] S[tates] 40170”; “♂ genitalia on slide 17/VIII/1959, JFGC 10753”; “TYPE, *Holcocera lepidophaga* Clarke” [red label], [USNM].

Paratypes 4 ♂, 3 ♀ in USNM. According to Clarke (1960), additional paratypes are found in Canadian National Collection [CNC], Illinois State Natural History Survey [INHS], State Plant Board of Florida, Gainesville [FSCA], but were not examined. Several preserved larvae, collected by B. Ebel are in the Lepidoptera alcohol collection at USNM.

elyella (Dietz 1910:49), *Holcocera*

Lectotype here designated: ♂, “East River, Conn[ecticut], VIII[August]/19/[19]07”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2941” [red label]; “D Adamski ♂ genitalia slide 2087” [green label]; “*H[olcocera] elyella* Dietz” [hand-written label], [MCZ].

Paralectotypes 9 ♂. (1–2) “East River, Conn[ecticut], VIII[August]/25/[19]07”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2941” [red label]; “D Adamski ♂ genitalia slide 2086” [green label] (one specimen is missing head, the other specimen is missing distal half of the left forewing). 2 ♂, [MCZ]. (3) “East River, Conn[ecticut], 8[August]/15/[19]06”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2941” [red label]. 1 ♂, [MCZ]. (4) “7[July]/3/[19]06”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2941” [red label]. 1 ♂, [MCZ]. (5–

7) "Plummer's [sic] I[sland], M[arylan]d July 9, 1902"; "Aug[ust] Busck Collector"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2941" [red label] (one specimen is missing abdomen, another specimen is missing an abdomen and the right pair of wings). 3 ♂, [MCZ]. (8) "Ess[ex] Co[unty] P[ar]k, N[ew] J[ersey], WD Kearfott [collector], Aug[ust] 16, Trap". 1 ♂, [MCZ]. (9) "Frederick M[arylan]d, VII[July]/21/[19]06"; "WG Dietz Coll[ection]"; "D Adamski ♂ genitalia slide 2088" [green label]. 1 ♂, [MCZ]. Seven of the original syntypes apparently are lost.

Other specimens.—An additional 20 specimens of *C. elyella* collected by Charles R. Ely from East River are in MCZ. Some of them could be part of the original syntype series; however, there is no evidence to support this.

lucidella Adamski, in Adamski and Brown 1989:18, *Calosima*

Holotype ♂. "Florida, Lake Placid, Archbold Bio[logical] Sta[tion], 1–7 May 1964, RW Hodges"; "USNM ♂ genitalia slide 81081, DA 2511" [green label], [USNM].

Paratypes 1 ♂, 5 ♀. Same data as holotype except; (1) "1–8 June 1964". 1 ♀, [USNM]. (2–4) "16–22 June 1964"; "USNM ♀ genitalia slide 81082, DA 2512" [green label], and "USNM wing slide USNM 81196, DA 2627" [green label]; "USNM ♀ genitalia slide 81468, DA 2996" [green label]. 3 ♀, [USNM]. (5) "1–7 May 1964"; "USNM ♂ wing slide 81195, DA 2626" [green label]. 1 ♂, [USNM]. (6) "27 March 1959"; not dissected. 1 ♀, [USNM]. All paratypes are in USNM.

melanostriatella (Dietz 1910:66), *Holco-cera*

Lectotype here designated: ♂, "East River, Conn[ecticut], 9[September]/3/[19]06"; "cotype" [red label]; "WG Dietz Coll[ec-

tion]"; "Type 2937" [red label]; "D Adamski genitalia slide 2111" [green label], [MCZ].

Paralectotypes 5 ♂. (1) "East River, Conn[ecticut], 7[July]/29/[19]06"; "WG Dietz Coll[ection]"; "cotype" [red label]; "Type 2937" [red label] (specimen missing abdomen). 1 ♂, [MCZ]. (2) "East River, Conn[ecticut], VIII[August]/[illegible]/[19]07"; "cotype" [red label], "WG Dietz Coll[ection]"; "Type 2937" [red label] (specimen not dissected). 1 ♂, [USNM]. (3) "East River, Conn[ecticut], 7[July]/25/[19]06"; "cotype" [red label]; "Type 2937" [red label], (specimen missing right pair of wings). 1 ♂, [USNM]. (4) "East River, Conn[ecticut], 7[July]/25/[19]06"; "cotype" [red label]; "Type 2937" [red label], (specimen missing abdomen and left pair of wings). 1 ♂, [USNM]. (5) "Hazleton P[ennsylvania], 8[August]/12/[19]07"; "cotype" [red label], "WG Dietz Coll[ection]"; "Type 2937" [red label]; "*H[olcocera] melanostriatella* Dietz" [hand-written label] (specimen missing abdomen). 1 ♂, [USNM]. One paralectotype apparently is lost. Three specimens from East River, Connecticut, collected July and August 1909 are in the MCZ, one of which may be the missing syntype.

melanostriatella Dietz 1910:66, missp.

BLASTOBASINI Meyrick 1894:22

REVISED STATUS

BLASTOBASIS Zeller 1855:171

EPISTETUS Walsingham 1894:552

VALENTINIA Walsingham 1907a:200

ZENODOCHIUM Walsingham 1908a:

52

PROSTHESIS Walsingham 1908b:953

EURESIA Dietz 1910:20

BLASTORASIS Dietz 1910:69 missp.

confamulella (Heinrich 1921:818), *Holco-cera*

Holotype ♂. "Heinrich 23b, FHB[arber] rearing" [hand-written label], "Reared

Apr[il]/10/[19]19"; "C[arl] Heinrich Col[lecto]r"; "Smith P[oint], [Brownsville], Texas" [hand-written label], "*Crategus*" [sic], [hand-written label]; "♂ genitalia and wing on slide CH-26 July 1920" [hand-written label]; "*Holcocera confamulella* Heinrich, Type" [hand-written label]; "USNM Type no. 23742" [red label], [USNM].

Paratypes. Heinrich stated (1921) that five specimens, "one male type and four male and female paratypes" made up the original series from which *H. confamulella* was described. In addition to the holotype there are five specimens (2 ♂, 3 ♀), each bearing a USNM red type label, no. 23742. No explanation is given for this discrepancy. We herein treat all five specimens as paratypes. Label data for these specimens are the same as the holotype except: ♂, "USNM ♂ genitalia slide 80997, DA 2427" [green label]; ♀, "Hindwing on slide, Jan[uary] 18, 1956, RBS no. 7" [hand-written label]; "USNM ♀ genitalia slide 80998, DA 2428" [green label].

confectella (Zeller 1873:303), *Hypatima*

Holotype ♀. "Dallas Tex[as], Boll"; "Zeller"; "*Hypatima* sp, ♀", "Anmerkung [illegible] *subsenella*" [hand-written green label], "Type 2083" [red label], (specimen missing left forewing, apex of right forewing, and abdomen, [MCZ].

floridella (Dietz 1910:17), *Valentinia*

Lectotype here designated: ♂, "From ♂ cone of *Zamia integrifolia*" [hand-written label]; "Iss[ued] [= emerged] 4/June/[18]95, Crescent City Fl[orid]a" [hand-written label]; "cotype" [red label]; "*V[alentinia] livorella* Zell[er]" [hand-written label]; "*V[alentinia] livorella* Dietz, label is in error" [hand-written label]; "*Valentinia floridella* Dietz, Cotype, ♂, Det. RB Selander 1956" [hand-written label], "USNM ♂ genitalia slide 80985, DA 2415" [green label], [USNM].

Paralectotypes 3 ♀. (1) same label data

as lectotype except, "*V[alentinia] floridella* Dietz, Cotype" [hand-written label] (specimen not dissected). 1 ♀, [USNM]. (2) same label data as lectotype except missing locality label (specimen not dissected). 1 ♀, [USNM]. (3) "On ♂ cone of *Zamia integrifolia*, 7/June/[18]95" [hand-written label]; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2966" [red label]; "*V[alentinia] floridella* Dietz, Cotype" [hand-written label] (specimen missing abdomen). 1 ♀, [MCZ].

Other specimens.—One male specimen in MCZ may have been omitted by Dietz; however, we do not treat it here as one of the original syntypes. It bears the following data: "April"; "Fl[orid]a"; "Collection, GD Hulst"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2966" [red label]; "D Adamski ♂ genitalia slide 2052" [green label]; "*V[alentinia] floridella* Dietz, Cotype" [hand-written label] (specimen has metathorax and hindwings within gelatin capsule. Twelve additional specimens (9 ♂, 3 ♀) with same data as lectotype (but these are not part of the cotype series of Dietz) are in the USNM.

glandulella (Riley 1871:118), *Gelechia*

Lectotype designated by Adamski and Brown (1989): ♀, "USNM Type no. 471" [red label]; "*Blastobasis glandulella* Riley" [hand-written label]; "USNM ♀ genitalia slide 81479, DA 3013" [green label], [USNM].

Other specimens.—Seven additional specimens from USNM were examined that may be part of the original syntype series, but there is no evidence from the literature to suggest this: ♂, no label data and missing abdomen; ♂, "65"; "741"; "*Blastobasis glandulella* Riley" [hand-written label], ♂, "178"; "104"; "*Blastobasis glandulella* Riley" [hand-written label]; ♂, "Collection CV Riley"; "25"; "1210"; "*Blastobasis nubilella* Zeller? = *Blastobasis glandulella* Riley?, WLSM" [hand-written label]; ♀, "742"; "*Blastobasis glandulella* Riley"

[hand-written label]; ♀, *Blastobasis glandulella* Riley" [hand-written label]; ♀, "From jar, acorn moth, June 15/[18]71" [hand-written label] (specimen missing hindwings and abdomen).

modestella (Clemens 1863:122), N. SYN., *Holcocera*, pending ruling of ICZN to suppress this senior synonym.

Holotype ♀. "204"; "Type 7384" [red label], [White Clemens ID label]. Holotype is missing abdomen, left pair of wings and right hindwing. Holotype probably was collected in Easton, Pennsylvania, [ANSP].

nubilella Zeller 1873:297, *Blastobasis*

Holotype ♀. "Dallas, Texas, Boll"; "Zeller"; "*Blastobasis nubilella*" [green label]; "Type 1714" [red label]; "D Adamski ♀ genitalia slide 2054" [green label], [MCZ].

nothrotres (Walsingham 1907a:202), *Valentinia*

Holotype ♂. "Type" [disc label]; "Arizona, Morrison, 1883, 35536" [hand-written label]; "Walsingham Collection, 1910-427"; "*Valentinia nothrotres*, Wlsm, Type ♂, desc[ription]"; "BM ♂ genitalia slide 23885"; [BMNH].

pulchella (Dietz 1910:20), *Euresia*

Holotype ♂. "Washington DC, Jun[e]/1902" [hand-written label]; "WG Dietz Coll[ection]"; "Type 2967" [red label]; "D Adamski ♂ genitalia slide 2058" [green label]; [MCZ].

pulebella Dietz 1910:20, missp.

maritimella McDunnough 1961:5, *Blastobasis* N. SYN.

Holotype ♂. "Boulderwood, Halifax N[ova] S[cotia], 14/VIII[August]/1959, DC Ferguson"; "Slide no. *Blast[obasis]* 1b" [hand-written label]; "Holotype, *Blastobas-*

is maritimella, McD[unnough], no. 7764" [red label]; [CNC].

Paratypes. Six male paratypes in CNC, each with same label data as holotype except some specimens with, "August 11, 1959."

quaintancella (Dietz 1910:15), *Valentinia*

Lectotype here designated: ♂, "Quaintance No. 858"; "cotype" [red label]; "V[alentinia] *quaintancella* Dietz" [hand-written label]; "V[alentinia] *quaintancella*, ♂ genitalia on slide A[ugust] B[usck] Nov[ember]/20/1907" [hand-written label], "USNM ♂ genitalia slide 11293 by C[arl] Heinrich" [green label]; [USNM].

Paralectotypes 5 ♀. (1) "Quaintance No. 881"; "cotype" [red label]; "V[alentinia] *quaintancella* Dietz, Cotype" [hand-written label]; "USNM ♀ genitalia slide 80985, DA 2416" [green label], (specimen is not spread). 1 ♀, [USNM]. (2) "Quaintance No. 889"; "cotype" [red label]; "V[alentinia] *quaintancella* Dietz, Cotype" [hand-written label] (specimen is not spread). 1 ♀, [USNM]. (3) "Quaintance No. 889"; "cotype" [red label], "V[alentinia] *quaintancella* Dietz, Cotype" [hand-written label]; "V[alentinia] *quaintancella*, ♀ genitalia on slide A[ugust] B[usck] Nov[ember]/20/1907" [hand-written label] (specimen is not spread). 1 ♀, [USNM]. (4) "Quaintance No. 859"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2965" [red label]; "V[alentinia] *quaintancella* Dietz, Cotype" [hand-written label]; "D Adamski ♀ genitalia slide 2055" [green label]. 1 ♀, [MCZ]. (5) "Quaintance No. 824"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2965" [red label], "V[alentinia] *quaintancella* Dietz, Cotype" [hand-written label]; "D Adamski ♀ genitalia slide 2056" [green label]. 1 ♀, [MCZ].

Other specimens.—Ten additional unspread specimens are in USNM, most of which bear separate Quaintance numbers

and are not part of the cotype series of Dietz.

repartella (Dietz 1910:19), *Valentinia*

Lectotype here designated: ♂, “[E] Oslar [Collector], Denver Col[orado]”; “Type” [red label]; “*Valentinia repartella* Busck, Type!” [hand-written label]; “USNM ♂ genitalia slide 80987, DA 2417” [green label]. Holotype is missing right forewing, [USNM].

Paralectotype 1 ♂. “[E] Oslar [Collector], Denver Col[orado]”; “*Valentinia repartella* Busck, Cotype” [hand-written label]; “cotype” [red label]; “*V[alentinia] repartella* Dietz, Cotype” [hand-written label]; “USNM wing slide 11253, by A Busck” [green label]. Specimen is missing left pair of wings and has the dissected male genitalia in a glycerine vial, [USNM].

retectella Zeller 1873:297, *Blastobasis*

Holotype ♀. “Bosque Co[unty] Texas, 2/IX[September]/1876, Belfrage 33097”; “Walsingham Collection 1910-427.” Holotype has a badly damaged abdomen, dissection is not warranted, [BMNH].

fractilinea Zeller 1873:298, *Blastobasis*,
N. SYN.

Lectotype here designated: ♂, “Type” [disc label]; “Bosque Co[unty] Texas, 19/VIII[August]/1870”; “Belfrage, Lederer 1874, Zell[er] Coll[ection] 101612” [hand-written label], “Zeller Coll[ection], Walsingham Collection, 1910-427”; “*Blastobasis fractilinea* Z[eller], Texas [illegible] 71” [green label]; “*Blastobasis fractilinea* Z[eller], Verh. ZB, Ges. Wien XXIII 298, pl. IV, 37(1873), Type ♂, descr[iption], fig[ure]d” [hand-written label]; “BM ♂ genitalia slide 23884”; [BMNH].

Paralectotype 1 ♂. “Bosque Co[unty] Texas, 1/III[March]/1870, Balfrage Lederer 1871” [hand-written label]; “Zeller Coll[ection] 101613” [hand-written label], “*Blastobasis fractilinea* Z[eller], Texas, [il-

legible] [18/71” [green hand-written label]; “Zeller Coll[ection], Walsingham Collection, 1910-427”; “*Blastobasis fractilinea* Z[eller], Verh. ZB, Ges. Wien XXIII, 298, Pl. IV, 37(1873), Paratype 1/1” [hand-written label], [BMNH].

yuccaeolella Dietz 1910:7, *Blastobasis*

Lectotype here designated: ♂, “7504, iss[ued] [=emerged] Apr[i]l/21/[18]97” [hand-written label]; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2979” [red label]; “D Adamski ♂ genitalia slide 2047” [green label]; “*Blastobasis yuccaeolella* Dietz, Cotype” [hand-written label]; [MCZ].

Paralectotypes 1 ♀, 3 ♂. (1) same data as lectotype except: “iss[ued] [= emerged] Apr[i]l/24/[18]97”; “D Adamski ♀ genitalia slide 2048” [green label]; “*B[lastobasis] yuccaeolella* Dietz, Cotype” [hand-written label]. 1 ♀, [MCZ]. (2) “cotype” [red label]; “*B[lastobasis] yuccaeolella* Dietz, Cotype” [hand-written label]. 1 ♀, [USNM]. (3) “7104, iss[ued] [= emerged] Apr[i]l/24/[18]97” [hand-written label]; “cotype” [red label]; “*B[lastobasis] yuccaeolella* Dietz, Cotype” [hand-written label]; “Abdomen found in unit tray RB S-[elande]r, [19]56” [hand-written label], (specimen has abdomen within gelatin vial). 1 ♀, [USNM]. (4) “7504, On *Yucca baccata*, Nuecestown, Tex[as], iss[ued] [= emerged] Apr[i]l/18/[18]97” [hand-written label]; “cotype” [red label]; “*B[lastobasis] yuccaeolella* Dietz, Cotype” [hand-written label] (specimen has genitalia in gelatin vial). 1 ♀, [USNM].

Other specimens.—Fifty-eight additional specimens with the same or similar label data are in the USNM.

HYPATOPA Walsingham 1907a:211

PROSODICA Walsingham 1907a:200
CATACRYPSIS Walsingham 1907a:206
CATACRYPRIS Dietz 1910:2 missp.
PRORODICA Dietz 1910:23 missp.

BLASTOBASOIDES McDunnough
1961:6

annulipes (Dietz 1910:58), n. STA., *Holcocera*, var. of *Holcocera crescentella* Dietz

Holotype ♂. "Baboquivaria [sic], M[oun]t[ain]s, Ariz[ona], FH Snow"; "Type" [red label]; "WG Dietz Coll[ection]"; "Type 2950" [red label]; "*H[olcocera] crescentella* var. *annulipes* Dietz" [hand-written label] (specimen is missing abdomen); [MCZ].

boreasella (Dietz 1910:47), *Holcocera*

Lectotype here designated: ♀, "Webster, N[ew] H[ampshire], 8[August]/22/1900" [hand-written label]; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2960" [red label]; "D Adamski ♀ genitalia slide 2065" [green label]; [MCZ].

Paralectotypes 4 ♀. (1) same label data as lectotype except, "D Adamski ♀ genitalia slide 2064" [green label]; "*H[olcocera] boreasella* Dietz" [hand-written label]. 1 ♀, [MCZ]. (2) same data as lectotype except, "D Adamski ♀ genitalia slide 2066" [green label]. 1 ♀, [MCZ]. (3) same data as lectotype except, "Montreal [Canada], 10/8[August]/[19]00"; "cotype" [red label]. 1 ♀, [MCZ]. (4) "♀ genitalia on slide no. 701, RB Selander"; "USNM ♀ genitalia slide 11138, by RB Selander" [green label]; "*H[olcocera] boreasella* Dietz" [hand-written label]. 1 ♀, [USNM]. One syntype is lost.

crescentella (Dietz 1910:57), *Holcocera*

Holotype ♀. "Stockton, Utah, VII[July]/9/[19]07, Tom Spalding"; "Type" [red label]; "WG Dietz Coll[ection]"; "Type 2949" [red label]; "D Adamski ♀ genitalia slide 2081" [green label]; "*H[olcocera] crescentella* Dietz" [hand-written label], [MCZ].

fluxella (Zeller 1873:301), *Blastobasis*(?)

Holotype ♂. "Dallas Tex[as], Boll";

"Type 1711" [red label]; "*Blastobasis fluxella* Z[eller]" [green label]; "D Adamski ♂ genitalia slide 2091" [green label] (specimen is missing right pair of wings), [MCZ].

zelleriella (Dietz 1910:62), *Holcocera*, n. SYN.

Lectotype here designated: ♂, "Dallas Tex[as], Boll"; "Type 2081" [red label]; "*Hypatima subsenella*?, Ann[erkung] 2, [illegible]" [hand written, faded green label]; "Zeller"; "*Holcocera zelleriella* Dietz, Cotype" [hand-written label]; "D Adamski ♂ genitalia slide 2148" [green label], [MCZ].

Paralectotype 1 ♂. "Type 2081" [red label]; "*Hypatima subsenella*?, An[erkung] 2, [illegible]" [hand-written, faded green label]; "*Holcocera zelleriella* Dietz, Cotype" [hand-written label]; "D Adamski ♂ genitalia slide 2149" [green label], [MCZ].

annectella (Dietz 1910:63), *Holcocera*, var. of *zelleriella* Dietz n. SYN.

Lectotype here designated: ♀, "Vowells Mill L[ouisian]a, 4[April]/[19]02"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2932" [red label]; "D Adamski ♀ genitalia slide 2151" [green label], [MCZ].

Paralectotype 1 ♀. "Iowa City, Wickham, VI[June]/29/[18]98"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2932" [red label]; "*H[olcocera] zelleriella* var. *annectella* Dietz" [hand-written label]; "D Adamski ♀ genitalia slide 2150" [green label] (specimen missing right forewing), [MCZ].

pusilla (Dietz 1910:65), *Holcocera*, n. SYN.

Holotype ♂. "Brownsville Tex[as], 28/4[April]/[19]04"; "Type" [red label]; "WG Dietz Coll[ection]"; "Type 2935" [red label]; "D Adamski ♂ genitalia slide 2139" [green label]; "*H[olcocera] pusilla* Dietz" [hand-written label], [MCZ].

funebra (Dietz 1910:44), *Holcocera*

Lectotype here designated: ♂, “Hazleton P[ennsylvania], El[ectric] I[gh]t, VIII-[August]/[illegible]/[19] [illegible]”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2958” [red label]; “D Adamski ♂ genitalia slide 2092” [green label], [MCZ].

Paralectotypes 2 ♂, 2 ♀. (1) “Plummer’s [sic] I[sland], M[arylan]d June/1903”; “Aug[ust] Busck Collector”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2958” [red label]; “*H[olcocera] funebra* Dietz” [hand-written label] (specimen is missing abdomen). 1 ♂, [MCZ]. (2) “Plummer’s [sic] I[sland], M[arylan]d, May/[19]03”; “Aug[ust] Busck Collector”; “cotype” [red label]; “*funebra*” [hand-written label]; “♀ genitalia on slide no. 681, RB Selander”; “USNM genitalia slide 11133, by RB Selander” [green label]. 1 ♀, [USNM]. (3) “Plummer’s [sic] I[sland], M[ary-f]lan]d, May/[19]03”; “Aug[ust] Busck Collector”; “cotype” [red label] (specimen is missing abdomen). 1 ♂, [USNM]. (4) “Plummer’s [sic] I[sland], M[arylan]d, May/[19]03”; “Aug[ust] Busck Collector”; “cotype” [red label]; “*H[olcocera] funebra* Dietz” [handwritten label] (specimen is missing abdomen). 1 ♀, [USNM]. All syntypes are accounted for.

hulstella (Dietz 1910:7), *Blastobasis*

Holotype ♀. “GD Hulst Collection”; “Type” [red label]; “WG Dietz Coll[ection]”; “Type 2977” [red label]; “D Adamski ♀ genitalia slide 2042” [green label]; “*B[lastobasis] hulstella* Dietz, Type” [hand-written label] (specimen has right hindwing in gelatin capsule), [MCZ].

illibella (Dietz 1910:57), *Holcocera*

Lectotype here designated: ♂, “Frederick M[arylan]d, VII[July]/17/[19]06”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2948” [red label]; “D Adamski ♂ genitalia slide 2101” [green label]

(specimen is missing right pair of wings), [MCZ].

Paralectotypes 2 ♂. (1) “Frederick M[arylan]d, VI[June]/16/[19]06”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2948” [red label]; “D Adamski ♂ genitalia slide 2102” [green label]. 1 ♂, [MCZ]. (2) “Frederick M[arylan]d, VII[July]/20/[19]06”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type” [red label]; “*H[olcocera] illibella* Dietz” [hand-written label], (specimen is missing abdomen). 1 ♂, [MCZ]. All syntypes are accounted for.

inconspicua (Walsingham 1907a:208), *Catacrypsis*

Holotype ♂. “Type” [disc label]; “Hatchet Creek, Shasta Co[unty] California, 14-17/VII[July]/1871, Wlsm 90433”; “Walsingham Collection, 1910-427”; “*Catacrypsis inconspicua* Wlsm, Pr. US Nat. Mus., 33, p. 208 (1907), Type ♂” [hand-written label]; “BM ♂ genitalia slide 28077”; [BMNH].

Paratypes 4 ♂. (1-3) same label data as holotype. 3 ♂, BMNH. (4) same label data as holotype except; “Wlsm 90436”; “USNM type no. 10669” [red label]; “♂ genitalia on slide no. 700, RB Selander”; “USNM ♂ genitalia slide 81593” [green label].

insulatella (Dietz 1910:50), *Holcocera*

Lectotype here designated: ♂, “Glenwood Springs Col[orado], Aug[ust]/[18]-99”; “Type” [red label]; “WG Dietz Coll[ection]”; “Type 2942” [red label]; “*H[olcocera] insulatella* Dietz” [hand-written label], [MCZ].

Paralectotype 1 ♂. Same label data as lectotype except, “Sept[ember]/[18]99”; “D Adamski ♂ genitalia slide 2105” [green label], [MCZ]. One additional specimen in the MCZ with same label as lectotype except, “D Adamski ♂ genitalia slide 2106” [green label], and is not considered part of

the original syntype series. All syntypes accounted for.

rufopunctella (Dietz 1910:65), *Holcocera*, N. SYN.

Holotype ♀. "Denver, Col[orado], [18]97"; "Type" [red label]; "WG Dietz Coll[ection]"; "Type 2936" [red label]; "D Adamski ♀ genitalia slide 2140" [green label]; "*H[olcocera] rufopunctella* Dietz" [hand-written label], [MCZ].

interpunctella (Dietz 1910:67), *Holcocera*

Lectotype here designated: ♂, "Stockton Ut[ah], IX[September]/[190]7"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2938" [red label]; "D Adamski ♂ genitalia slide 2109" [green label], [MCZ].

Paralectotypes 1 ♂, 1 ♀. (1) "Stockton Ut[ah], VII[July]/4/[190]7"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2938" [red label]; "D Adamski ♂ genitalia slide 2107" [green label]; "*H[olcocera] interpunctella* Dietz" [hand-written label]. 1 ♂, [MCZ]. (2) "Stockton Ut[ah], VII[July]/18/[190]7, Tom Spalding"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2938" [red label]; "D Adamski ♀ genitalia slide 2108" [green label]. 1 ♀, [MCZ]. Both paralectotypes = *H. crescentella* (Dietz). All syntypes are accounted for.

messelinella (Dietz 1910:52), *Holcocera*

Lectotype here designated: ♂, "Hastings Fl[orid]a, [illegible]/1900"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2945" [red label]; "D Adamski ♂ genitalia slide 2116" [green label] (specimen is missing right forewing), [MCZ].

Paralectotype 1 ♂. "Frederick M[ary]lan[d] VI[June]/12/[illegible]"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2945" [red label]; "D Adamski ♂ genitalia slide 2115" [green label]; "*H[olcocera] messelinella* Dietz" [hand-written label], [MCZ]. All syntypes are accounted for.

morrisoni (Walsingham 1907a:209), *Catacrypsis*

Holotype ♂. "Type" [disc label]; "Arizona, Morrison, 1882, 35527"; "Walsingham Collection, 1920-427"; "*Catacrypsis morrisoni* Wlsm, Pr. US Nat [Mus], 33, p. 209 (1907), Type ♂"; "BM ♂ genitalia slide 28080"; [BMNH].

nigrostriata (Walsingham 1907a:204), *Holcocera*

Holotype ♀. "Type" [disc label]; "Arizona, Morrison, 1883, 35531"; "Walsingham Collection, 1910-427"; "*Holcocera nigrostriata* Wlsm, Proc. US Nat. Mus. 33, p. 208 (1907), Type ♀" [hand-written label] (specimen is missing abdomen), [BMNH].

Paratype 1 ♀. "Arizona, Morrison 1883, 35532"; "1620, Wlsm. 1907"; "USNM Type no. 10672" [red label]; "*Holcocera nigrostriata* Wlsm, Paratype 1/1, ♀" [hand-written label], "USNM ♀ genitalia slide 81011, DA 2451" [green label], [USNM].

nigristriata Dietz 1910:29, missp.

nucella (Walsingham 1907a:206), *Catacrypsis*

Lectotype designated by Adamski and Brown (1989): ♂, "Type" [disc label]; "Loveland Colorado, IX[September]/1891, Smith 1891, 30646"; "Walsingham Collection, 1910-427"; "*Catacrypsis nucella* Wlsm, Pr. US Nat. Mus. 33, p. 206 (1907) Type ♂, descr[ption]" [hand-written label], (specimen not dissected), [BMNH]. Twenty-two paratypes in BMNH and seven paratypes in USNM.

punctiferella (Clemens 1863:119), *Gelechia*

Holotype (Sex?). "193" [hand-written label]; "Type 7380, *Gelechia punctiferella*, Clemens" [red label], [white Clemens ID label]. The holotype probably was collected in Easton, Pennsylvania, [ANSP]. Abdo-

men and other characters used to sex the animal are missing.

subsenella (Zeller 1873:302), *Hypatima*, var. *Holcocera punctiferella* Clemens, N. SYN.

Holotype ♂. "Dallas Tex[as], Boll"; "*Hypatima subsenella* Z[eller]" [hand-written green label]; "Type 1716" [red label]; "D Adamski ♂ genitalia slide 2126" [green label] (specimen is missing left pair of wings, and right forewing is in a gelatin capsule), [MCZ].

clemensella (Chambers 1874b:246), *Holcocera*, N. SYN.

Holotype ♂. "Kentucky, Chambers"; "Type 2947" [red label], "D Adamski ♂ genitalia slide 2079" [green label], "*Holcocera clemensella* Cham[bbers]" [hand-written label] (specimen is missing left pair of wings, and the right pair of wings are not spread), [MCZ].

tartarella (Dietz 1910:64), *Holcocera*, N. SYN.

Lectotype here designated: ♂, "Plummer's [sic] I[sland] M[arylan]d, Jun[e]/19103"; "cotype" [red label]; "Aug[ust] Busck Collector"; "WG Dietz Coll[ec-tion]"; "Type 2934" [red label]; "D Adamski ♂ genitalia slide 2146" [green label], [MCZ].

Paralectotypes 3 ♂, 4 ♀. (1) "Plummer's [sic] I[sland] M[arylan]d, July/1903"; "Aug[ust] Busck Collector"; "cotype" [red label]; "MCZ Paratype 2934" [red label]; "D Adamski ♀ genitalia slide 2147" [green label]; "*Holcocera tartarella* Dietz" [hand-written label]. 1 ♀, [MCZ]. (2) "Plummer's [sic] I[sland] M[arylan]d, June/1903"; "Aug[ust] Busck Collector"; "cotype" [red label]; "WG Dietz Coll[ec-tion]"; "Type 2934" [red label]; "*H[ol-cocera] tartarella* Dietz" [hand-written label] (specimen is missing right forewing, and is not dissected). 1 ♀, [MCZ]. (3)

"Plummer's [sic] I[sland] M[arylan]d, May/[19]03"; "Aug[ust] Busck Collector"; "O"; "cotype" [red label]; "USNM ♂ genitalia slide 81037, DA 2467" [green label]; "*H[olcocera] tartarella* Dietz" [hand-written label]. 1 ♂, [USNM]. (4) "Plummer's [sic] I[sland] M[arylan]d, June/1903"; "Aug[ust] Busck Collector"; "cotype" [red label]; "♂ genitalia on slide no. 706, RB Selander"; "USNM genitalia slide 11388, by RB Selander" [green label]. 1 ♀, [USNM]. (5) "Plummer's [sic] I[sland] M[arylan]d, Jun[e]/1903"; "Aug[ust] Busck Collector"; "cotype" [red label]; "♂ genitalia on slide no. 707, RB Selander"; "USNM genitalia slide 11389, by RB Selander" [green label]. 1 ♂, [USNM]. (6) "Plummer's [sic] I[sland] M[arylan]d, Jun[e]/1903"; "Aug[ust] Busck Collector"; "cotype" [red label]; "♀ genitalia on slide no. 705, RB Selander"; "USNM genitalia slide 11387, by RB Selander" [green label]; "*Holcocera tartarella* Dietz, Cotype" [hand-written label], "*tartarella*, Det., RB Selander." 1 ♀, [USNM]. (7) "Plummer's [sic] I[sland] M[arylan]d, Jun[e]/1903"; "Aug[ust] Busck Collector"; "cotype" [red label]. 1 ♂, [USNM]. One syntype is lost.

sagitella (Dietz 1910:9), *Blastobasis*

Holotype ♂. "Hazleton P[ennsylvani]a, El[ectric] L[igh]t, 8[August]/2/[18]98"; "Type" [red label]; "Type 2964" [red label]; "*B[lastobasis] sagitella* Dietz, Type" [hand-written label]; "D Adamski ♂ genitalia slide 2046" [green label] (specimen is missing right pair of wings), [MCZ].

inclusa (Dietz 1910:51), *Holcocera*, N. SYN.

Holotype ♂. "Hazleton P[ennsylvani]a, El[ectric] L[igh]t, 7[July]/20/[19]04"; "Type" [red label]; "WG Dietz Coll[ec-tion]", "Type 2943" [red label]; "D Adamski ♂ genitalia slide 2103" [green label]; "*H[olcocera] inclusa* Dietz" [hand-written

label] (specimen is missing right pair of wings), [MCZ].

simplicella (Dietz 1910:9), *Blastobasis*, var.
Blastobasis plummerella Dietz, N. COMB., N. STA.

Holotype ♂. "Iowa City I[ow]a, V-[May]/28/1899"; "Type" [red label]; "WG Dietz Coll[ection]"; "Type 2963" [red label]; "*B[lastobasis] plummerella*, var. *simplicella* Dietz"; "D Adamski ♂ genitalia slide 2045" [green label], (specimen originally misidentified as female), [MCZ].

distinctella (Dietz 1910:10), *Blastobasis*, N. SYN.

Holotype ♂. "21469" [hand written in pencil]; "Type" [red label]; "*Blastobasis* n. sp. Slide, AB/1908" [hand-written label]; "*B[lastobasis] distinctella* Dietz, Type" [hand-written label]; "USNM ♀ genitalia slide 80988, DA 2418" [green label] (specimen with head in gelatin capsule), [USNM].

coenomorpha (Meyrick 1931:177), *Blas-tobasis*, N. SYN.

Lectotype designated by Clarke (1963): ♂, "Lectotype" [disc label] "Toronto, Canada, Parish, 16-22"; "*Blastobasis coenomorpha* Meyr., E. Meyrick det., in Meyrick Coll[ection]"; "BM ♂ genitalia slide 8094"; [BMNH].

Paralectotypes. Seven paralectotypes in BMNH.

differtella (McDunnough 1961:6), *Blas-tobasoides*, N. SYN.

Holotype ♂. "White Point Beach, Queens Co[unty], N[ova] S[cotia], 28/VI-[June]/1953, J McDunnough"; "Slide no. *Blas[tobasoides]*, 2e♂"; "Holotype, *Blas-tobasoides differtella* McD, Type no. 7765" [red label], [CNC]. Four paratypes in CNC.
spoliatella (Dietz 1910:53), *Holcocera*, var.
Holcocera messelinella Dietz, N. STA.

Lectotype here designated: ♂, "Hazleton

P[ennsylvania], El[ectric] l[igh]t, 7[July]/11/[19]06"; "cotype" [red label], "WG Dietz Coll[ection]"; "Type 2946" [red label]; "D Adamski ♂ genitalia slide 2117" [green label]; "var *spoliatella* Dietz" [hand-written label], [MCZ].

Paralectotypes 2 ♂. (1) "Hazleton P[ennsylvania], El[ectric] l[igh]t, VIII-[August]/1/[19]07"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2946" [red label]; "D Adamski ♂ genitalia slide 2118" [green label]. 1 ♂, [MCZ]. (2) "Hazleton P[ennsylvania], El[ectric] l[igh]t, [illegible]/4/1900"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2946" [red label]; "D Adamski ♂ genitalia slide 2119" [green label]. 1 ♂, [MCZ].

Other specimens.—Two specimens, which may be part of the original syntype series, are in MCZ. Their label data are as follows: ♂, "7[July]/15/[18]97, [illegible]" [white label written in red ink]; "Dr. Dietz, Hazleton Penn[sylvania]"; "WG Dietz Coll[ection]"; (specimen is missing left pair of wings); ♂, "Montclair, N[ew] J[ersey], Trap, July 17, WD Kearfott [collector]"; "D Adamski ♂ genitalia slide 2120" [green label]. Two cotypes from Caldwell, New Jersey are apparently lost, and one specimen from Hazleton (PA) is of questionable type status.

spretella (Dietz 1910:58), *Holcocera*

Lectotype here designated: ♀, "Williams Ar[izona], 27/7[July]"; "HS Barber, Collector"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2931" [red label]; "D Adamski ♀ genitalia slide 2144" [green label], [MCZ].

Paralectotypes 2 ♂, 1 ♀. (1) "Williams Ar[izona], 11/6[June]"; "HS Barber"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2931" [red label]; "*H[olcocera] spretella* Dietz" [hand-written label] (specimen is missing abdomen). 1 ♂, [MCZ]. (2) "Williams Ar[izona], 10/VI-[June]"; "HS Barber"; "cotype" [red label], (specimen is missing abdomen, and

only the left pair of wings are spread). 1 ♂, [MCZ]. (3) “Phoenix Ariz[ona], 7-8/[illegible]”; “52”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2931” [red label] “D Adamski ♀ genitalia slide” [green label]. 1 ♀, [MCZ]. The paralectotype from Phoenix is not conspecific with the lectotype and other two paralectotypes.

texanella Walsingham 1907a:211, *Hypatopa*, REV. STA.

Holotype ♂. “Type” [disc label]; “Bosque Co[unty], Texas, 28/IV[April]/1876, Belfrage, 33087”; “Walsingham Collection, 1910-427”; “*Hypatopa texanella* Wlsm, Pr. US Nat. Mus. 33, p. 211 (1907), Type ♂” [hand-written label]; “BM ♂ genitalia slide 28083”, [BMNH].

Paratypes. Six paratypes in BMNH; two paratypes in USNM, all from the same locality.

simulella (Dietz 1910:52), *Holcocera*, N. SYN.

Lectotype here designated: ♀, “Williams Ar[izona], 17/7[July]”; “HS Barber Collector”; “cotype” [red label], “♀ genitalia on slide no. 682, RB Selander”; “*simulella*” [hand written with pencil]; “USNM genitalia slide 11102, by RB Selander” [hand-written label], [USNM].

Paralectotypes 1 ♂, 2 ♀. (1) “Williams Ar[izona] 17/7[July]”; “HS Barber Collector”; “cotype” [red label], “*H[olcocera] simulella* Dietz” [hand-written label]; “USNM ♀ genitalia slide 81029, DA 2459” [green label] (specimen is missing right forewing, and has right hindwing in gelatin capsule). 1 ♀, [USNM] (2) “Fedora [Texas], 4[April]/1/[18]97” [white label with red handwriting], “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2944” [red label]; “D Adamski ♀ genitalia slide 2143” [green label] (specimen is missing head, right pair of wings and left forewing). 1 ♀, [MCZ]. This specimen was probably misidentified as a male by Dietz. (3) “Williams Ar[izona], 17/7[July]”; “HS

Barber Collector”; “cotype” [red label], “WG Dietz Coll[ection]”; “Type 2944” [red label], “*H[olcocera] simulella* Dietz” [hand-written label] (specimen is missing left forewing) is in the MCZ. A female cotype collected by T Spalding from Stockton, Utah apparently is lost.

titanella McDunnough 1961:9, *Hypatopa*

Holotype ♂. “Pudsey P[oin]t, Cumb[er]land Co[unty], N[ova] S[cotia], 9/VII-[July]/1955, DC Ferguson”; “Slide no. Hol. 4a♂” [blue label]; “Holotype 7766, *Hypatopa titanella* McD.” [red label] [CNC].

Paratypes. Four paratypes in CNC.

ursella (Walsingham 1907a:207), *Catacryspsis*

Holotype ♂. “Type” [disc label]; “Bear Creek, Shasta Co[unty], California, 27-28/VII[July]/1871, Wlsm, 90438”; “Walsingham Collection, 1910-427”; “*Catacryspsis ursella* Wlsm, Pr. US Nat. Mus. 33, p. 207 (1907), Type ♂” [hand-written label]; “BM ♂ genitalia slide 28082”; [BMNH].

vestaliella (Dietz 1910:63), *Holcocera*, N. COMB., erroneously placed in *Holcocera* by Adamski and Brown (1989).

Lectotype here designated: ♂, “Plummer’s [sic] I[sland], M[arylan]d, Jun[e]/1903”; “Aug[ust] Busck Collector”; “cotype” [red label]; “♂ genitalia on slide no. 703, RB Selander”; “*vestaliella*” [hand written in pencil]; “USNM ♂ genitalia slide 11140, RB Selander” [green label] (specimen has left forewing in gelatin capsule), [USNM].

Paralectotypes 5 ♂. (1) “Plummer’s [sic] I[sland] M[arylan]d, July 1903”; “Aug[ust] Busck Collector”; “cotype” [red label]; “*Hypatopa punctiferella* Cl[emens] = *subsenella* Z[eller]” [hand-written label]; “USNM ♂ genitalia slide 81039, DA 2469” [green label]; “*H[olcocera] vestal-*

iella Dietz" [hand-written label]. 1 ♂, [USNM]. (2) "July/5/[19]07"; "Cohasset Mass[achusetts]"; "Owen Bryant Collector"; "cotype" [red label]; "♂ genitalia on slide no. 704, RB Selander"; "USNM genitalia slide 11141, by RB Selander" [green label]. 1 ♂, [USNM]. (3) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 7[July]/6/[19]04"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2933" [red label] (specimen is missing head, left forewing and abdomen). 1 ♂, [MCZ]. (4) "Hazleton P[ennsylvania], VII[July]/1/[19]08"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2933" [red label] (specimen is missing left forewing and abdomen). 1 ♂, [MCZ]. (5) "Plummer's [sic] I[sland] M[arylan]d, July/1903"; "Aug[ust] Busck Collector"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2933" [red label]; "*H[olcocera] vestaliella* Dietz" [hand-written label] (specimen is missing abdomen). 1 ♂, [MCZ]. All syntypes are accounted for. Two additional male specimens from Plummer's [sic] Island, Maryland in MCZ collected by August Busck in 1922.

PIGRITIA Clemens 1860:172

DRYOPE Chambers 1874a:49, preocc.
by Robineau-Desvoidy 1830:618

PLOIOPHORA Dietz 1900:102

EPIGRITIA Dietz 1900:110

PSEUDOPIGRITIA Dietz 1900:112

DRYOPERIA Coolidge 1909:112

arizonella Dietz 1900:109, *Pigritia*

Lectotype here designated: ♂, "Nogales Ariz[ona], 6[June]/6/[19]89"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2912" [red label]; "D Adamski ♂ genitalia slide 2169" [green label]; "*arizonella* Dietz" [hand-written label], [MCZ].

Paralectotype 1 ♀. "Huachuca Ariz[ona], 7[July]/3/[19]89"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2912" [red label]; "D Adamski ♀ genitalia slide

2170" [green label] (specimen is missing right pair of wings), [MCZ].

fidella (Dietz 1900:103), *Ploiophora*

Lectotype designated by Adamski and Brown (1989): ♂, "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/16/1900"; "[wing] slide 13" [hand-written label]; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2924" [red label]; "D Adamski ♂ genitalia slide 2162" [green label], [MCZ].

Paralectotypes 3 ♂, 2 ♀. (1) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/28/1900"; "cotype" [red label], "WG Dietz Coll[ection]"; "Type 2924" [red label]; "D Adamski ♀ genitalia slide 2164" [green label]. 1 ♀, [MCZ]. (2) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 7[July]/2/1900"; "Type ♀ palpi" [hand-written label]; "Type" [red label]; "WG Dietz Coll[ection]"; "Type 2924" [red label]; "D Adamski ♀ genitalia slide 2165" [green label]. 1 ♀, [MCZ]. (3) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/22/1900"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2924" [red label], "*fidella* Dietz" [hand-written label]. 1 ♂, [MCZ]. (4) "Hazleton P[ennsylvania], 6[June]/25/1900, Light"; "cotype" [red label], "WG Dietz Coll[ection]"; "Type 2924" [red label]; "SEM left L[abial] palp, Adamski, 86" [hand-written label]. 1 ♂, [MCZ]. (5) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/13/[18]99"; "USNM Type 6136" [red label]; "USNM ♂ genitalia slide 80054, DA 2484" [green label]; "*Ploiophora fidella* Dietz" [hand-written label]. 1 ♂, [USNM]. Dietz (1900) did not specify number of syntypes in his description of this species.

laticapitella Clemens 1860:173, *Pigritia*

Holotype ♀. "210" [hand-written label]; "Type 7377, *Pigritia laticapitella* Clemens" [red label], [white Clemens ID label]; "D Adamski ♀ genitalia slide 2840" [green label]. Specimen has no right or left fore-

wings, [ANSP]. Holotype probably was collected in Easton, Pennsylvania.

ochreella Clemens 1863:126, *Pigritia*, n. SYN.

Holotype ♀. “211” [hand-written label]; “Type 7379, *Pigritia ochreella* Clemens” [red label], [white Clemens ID label]; “D Adamski ♀ genitalia slide 2842” [green label]. Specimen is missing right pair of wings and left forewing, [ANSP]. Holotype probably was collected in Easton, Pennsylvania.

ochreela Adamski & Brown 1989:25. *missp.*

aufugella (Zeller 1873:300), *Blastobasis*?

Holotype ♂. “Dallas Tex[as], Boll”; “Type 14978” [red label]; “*Blastobasis aufugella* Z[eller]” [hand written green label]; “*B[lastobasis] aufugella* Zell[er], 1873, p. 300” [hand-written label] (specimen is missing abdomen), [MCZ].

aufugella Dietz 1900:119, *missp.*

ampla (Dietz 1900:103), *Ploiophora*, n. SYN.

Lectotype here designated: ♂, “Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/12/[18]97”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2923” [red label], “D Adamski ♂ genitalia slide 2159” [green label]; “*ampla* Dietz” [hand-written label], [MCZ].

Paralectotypes 3 ♂, 1 ♀. (1) “Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/27/1900”; “cotype” [red label], “WG Dietz Coll[ection]”; “Type 2923” [red label]; “D Adamski ♂ genitalia slide 2160” [green label]. 1 ♂, [MCZ]. (2) “Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/5/[18]99”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2923” [red label]; “D Adamski ♂ genitalia slide 2161” [green label]. 1 ♂, [MCZ]. (3) “6[June]/

24/[18]97, [illegible]” white label with red handwriting]; “Dr. Dietz, Hazleton, Penn[sylvani]a” “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2923” [red label] (specimen is missing abdomen and both hindwings). 1 ♀, [MCZ]. (4) “6-[June]/30/[18]97, El[ectric] l[igh]t” [white label with red handwriting]; “Dr. Dietz, Hazleton Penn[sylvani]a”; “USNM Type 6135” [red label], “USNM ♂ genitalia slide 81041, DA 2471” [green label], “*Ploiophora ampla* D[ietz]” [hand-written label]. 1 ♂, [USNM]. Dietz (1900) did not specify the number of syntypes in his description of this species.

confusella Dietz 1900:104, *Pigritia*, n. SYN.

Lectotype here designated: ♂, “6[June]/9/[18]96, El[ectric] l[igh]t” [white label with red handwriting]; “Dr. Dietz, Hazleton Penn[sylvani]a”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2925” [red label] “D Adamski ♂ genitalia slide 2173” [green label], [MCZ].

Paralectotypes 4 ♀. (1) “Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/28/[18]98”; “Type ♀ palpi” [hand-written label]; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2925” [red label]; “D Adamski ♀ genitalia slide 2172” [green label]; “*confusella* Dietz” [hand-written label] (specimen is missing right hindwing and distal third of the left forewing). 1 ♀, [MCZ]. (2) “Hazleton P[ennsylvania], El[ectric] l[igh]t, [illegible]/18/[18]99”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2925” [red label]; “D Adamski ♀ genitalia slide 2174” [green label] (specimen is missing right forewing). 1 ♀, [MCZ]. (3) “Hazleton P[ennsylvania], [illegible]/20/1900, Light”; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2921” [red label] (specimen is not dissected). 1 ♀, [MCZ]. (4) “Montclair N[ew] J[ersey], Trap, June 20, WD Kearfott”; “USNM Type 6131” [red label]; “USNM ♀ genitalia slide 81046, DA 2476” [green label]; “*Pigritia confusella* Dietz, Cotype”

[hand-written label] (specimen is missing right forewing and has metathorax and hindwings in a gelatin capsule). 1 ♀, [USNM]. An additional female specimen from New Jersey may be part of the syntype series. Its label data are as follows: ♀, "Montclair N[ew] J[ersey], Trap July 17, WD Kearfott"; "D Adamski ♀ genitalia slide 2175" [green label]. Dietz (1900) did not specify the number of syntypes in his description of this species.

purpurella Dietz 1900:105, *Pigritia*, n. SYN.

Lectotype here designated: ♀, "Hazleton P[ennsylvania], 6[June]/15/1900, [illegible]"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2926" [red label]; "D Adamski ♀ genitalia slide 2189" [green label], [MCZ].

Paralectotypes 2 ♀. (1) "6[June]/14/[18]99"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2926" [red label]; "D Adamski ♀ genitalia slide 2188" [green label]; "*purpurella* Dietz" [hand-written label]. 1 ♀, [MCZ]. (2) "6[June]/14/[18]97, [illegible]" [white label with red handwriting]; "Dr. Dietz, Hazleton, Penn[sylvani]a"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2926" [red label]; "D Adamski ♀ genitalia slide 2190" [green label]. 1 ♀, [MCZ]. All syntypes are accounted for.

basilarella Dietz 1900:105, *Pigritia*, n. SYN.

Lectotype here designated: ♀, "6[June]/25/[18] 99" [hand-written label]; "Lawrence, Kansas" [hand-written label], "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2928" [red label]; "D Adamski ♀ genitalia slide 2171" [green label] (specimen is missing left forewing), [MCZ].

Paralectotypes 1 ♀, 1 Sex?. (1) "Iowa City, Wickham, VI[June]/23/[18]98"; "20" [red label]; "cotype" [red label], "WG Dietz Coll[ection]"; "Type 2928" [red la-

bel] (specimen is missing abdomen, left pair of wings, and right hindwing). (1 Sex?). (2) "7[July]/2/[18]97, El[ectric] l[ight]" [white label with red handwriting]; "Dr. Dietz, Hazleton Penn[sylvani]a"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2928" [red label]; "*basilarella* Dietz" [hand-written label] (specimen is missing abdomen). 1 ♂, [MCZ]. All original syntypes are accounted for.

basilorella Dietz 1900:104, 119, 120, missp.

mediofasciella Dietz 1900:107, *Pigritia*, n. SYN.

Holotype ♀. "7[July]/10/[18]97, El[ectric] l[ight]" [white label with red handwriting]; "Dr. Dietz, Hazleton, Penn[sylvani]a"; "18" [hand-written label]; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2927" [red label]; "D Adamski ♀ genitalia slide 2179" [green label]; "*mediofasciella* Dietz" [hand-written label], [MCZ].

ornatella Dietz 1900:107, *Pigritia*, n. SYN.

Lectotype here designated: ♀, "Hazleton P[ennsylvani]a, 6[June]/15/[19]89"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2929" [red label]; "D Adamski ♀ genitalia slide 2184" [green label] (specimen is missing right forewing), [MCZ].

Paralectotypes 1 ♂, 6 ♀. (1) "Hazleton P[ennsylvani]a, El[ectric] l[igh]t, 7[July]/9/1900"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2929" [red label]; "D Adamski ♀ genitalia slide 2182" [green label]. 1 ♀, [MCZ]. (2) "Hazleton P[ennsylvani]a, El[ectric] l[igh]t, 7[July]/2/1900"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2929" [red label], "D Adamski ♀ genitalia slide 2183" [green label]. 1 ♀, [MCZ]. (3) "Hazleton P[ennsylvani]a, El[ectric] l[igh]t, [May]/30/1900"; "cotype" [red label]; "WG Dietz

Collection]"; "Type 2929" [red label]; "D Adamski ♂ genitalia slide 2185" [green label] (specimen is missing right pair of wings). 1 ♂, [MCZ]. (4) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6 [June]/25/1900"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2929" [red label]; "D Adamski ♀ genitalia slide 2186" [green label]. 1 ♀, [MCZ]. (5) "Hazleton P[ennsylvania], El[ectric] l[igh]t, [illegible]/7/[18]99"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2929" [red label], "*ornatella* Dietz" [hand-written label] (specimen is missing abdomen). 1 ♀, [MCZ]. (6) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 7[July]/5/1900"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2929" [red label] (specimen is missing abdomen). 1 ♀, [MCZ]. (7) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/11/1900"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2929" [red label] (specimen is not dissected). 1 ♀, [MCZ]. Dietz (1900) did not specify the number of syntypes in his description of this species.

angustipennella Dietz 1900:108, *Pigritia*, N. SYN.

Lectotype here designated: ♂, "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/28/1900"; "cotype" [red label], "WG Dietz Coll[ection]"; "Type 2930" [red label]; "D Adamski ♂ genitalia slide 2166" [green label], [MCZ].

Paralectotypes 3 ♂, 2 ♀. (1) "Hazleton P[ennsylvania], El[ectric] l[igh]t, [illegible]/26/1900"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2930" [red label]; "D Adamski ♂ genitalia slide 2167" [green label]. 1 ♂, [MCZ]. (2) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/25/1900"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2930" [red label], "D Adamski ♀ genitalia slide 2168" [green label]. 1 ♀, [MCZ]. (3) "Hazleton P[ennsylvania], 6[June]/22/1900, on Locust"; "cotype" [red label]; "WG Dietz

Coll[ection]"; "Type 2930" [red label] (specimen is not dissected). 1 ♀, [MCZ]. (4) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/28/1900"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2930" [red label]; "*angustipennella* Dietz" [hand-written label] (specimen is missing abdomen). 1 ♂, [MCZ]. (5) "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/25/1900"; "USNM Type 6137" [red label]; "USNM ♂ genitalia slide 81043, DA 2473" [green label]; "*Pigritia angustipennella* D[ietz]" [hand-written label]. 1 ♂, [USNM]. Dietz (1900) did not specify the number of syntypes in his description of this species.

tristella Dietz 1900:108, *Pigritia*, N. SYN.

Lectotype here designated: ♀, "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/2[illegible]/1900"; "cotype" [red label], "WG Dietz Coll[ection]"; "Type 2911" [red label]; "D Adamski ♀ genitalia slide 2194" [green label]; "*tristella* Dietz" [hand-written label] (specimen has metathorax and hindwings in gelatin capsule), [MCZ].

Paralectotype 1 ♀. "Hazleton, P[ennsylvania], El[ectric] l[igh]t, 6[June]/22/1900"; "cotype" [red label], "WG Dietz Coll[ection]"; "Type 2911" [red label]; "D Adamski ♀ genitalia slide 2193" [green label], [MCZ]. One additional specimen in USNM: ♀, "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/28/1900"; "USNM Type 6132" [red label]; "USNM ♀ genitalia slide 81051, DA 2481" [green label]; "*Pigritia tristella* Dietz, Cotype" [hand-written label] (specimen probably is not part of the syntype series). All original syntypes are accounted for.

obscurella Dietz 1900:110, *Pigritia*, N. SYN.

Lectotype here designated: ♂, "Hazleton P[ennsylvania], El[ectric] l[igh]t, 7[July]/6/1900"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2914" [red label]; "D

Adamski ♂ genitalia slide 2180" [green label], [MCZ].

Paralectotype 1 ♀. "6[June]/28/[18]97" [white label with red handwriting]; "Dr. Dietz, Hazleton Penn[sylvani]a"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2914" [red label]; "*obscurella* Dietz" [hand-written label]. [MCZ]. One female specimen from California in USNM with "USNM Type 474" label and one male specimen from Essex County Park, New Jersey with a hand-written cotype label by Dietz probably are not part of the syntype series. All original syntypes are accounted for.

dorsomaculella (Dietz 1900:112), *Pseudopigritia*, N. SYN.

Lectotype designated by Adamski and Brown (1989): ♀, "7[July]/10/[18]97, El[ectric] l[igh]t" [white label with red handwriting]; "Dr Dietz, Hazleton, Penn[sylvani]a"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2917" [red label] (specimen is missing abdomen), [MCZ].

Paralectotype 1 ♂. "Hazleton P[ennsylvani]a, El[ectric] l[igh]t"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2917" [red label]; "*dorsomaculella* Dietz" [hand-written label] (specimen is missing abdomen), [MCZ]. All syntypes are accounted for.

equitella (Dietz 1900:112), *Pseudopigritia*, N. SYN.

Lectotype here designated: ♀, "Hazleton P[ennsylvani]a, El[ectric] l[igh]t, 6[June]/18/[18]99"; "cotype" [red label], "WG Dietz Coll[ection]"; "Type 2918" [red label]; "D Adamski ♀ genitalia slide 2204" [green label], [MCZ].

Paralectotypes 3 ♀. (1) "7[July]/8/[18]96, El[ectric] l[igh]t" [white label with red handwriting]; "Dr. Dietz, Hazleton, Penn[sylvani]a"; "[wing] slide 5" [hand-written label]; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2918" [red la-

bel]; "*equitella* Dietz" [hand-written label]. 1 ♀, [MCZ]. (2) "Hazleton P[ennsylvani]a, 6[June]/26/[18]99"; "[wing] slide 16" [hand-written label]; "cotype" [red label], "WG Dietz Coll[ection]"; "Type 2918" [red label]; "D Adamski ♀ genitalia slide 2205" [green label]. 1 ♀, [MCZ]. (3) "7[July]/8/[18]97, [illegible]" [white label with red handwriting]; "Dr, Dietz, Hazleton Penn[sylvani]a"; "USNM Type 6134" [red label]; "USNM ♀ genitalia slide 81055, DA 2485" [green label]; "*Pseudopigritia equitella* D[ietz]." 1 ♀, MCZ. Dietz (1900) did not specify the number of syntypes in his description of this species.

fraternella (Dietz 1900:113), *Pseudopigritia*, N. SYN.

Holotype ♂. "Hazleton P[ennsylvani]a, El[ectric] l[igh]t, 6[June]/14/[18]98"; "Type" [red label]; "WG Dietz Coll[ection]"; "Type 2919" [red label]; "*fraternella* Dietz" [hand-written label]; "D Adamski ♂ genitalia slide 2207" [green label], [MCZ].

argyreella (Dietz 1900:113), *Pseudopigritia*, N. SYN.

Holotype ♂. "Hazleton P[ennsylvani]a, El[ectric] l[igh]t, 7[July]/2/1900"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2920" [red label]; "*argyreella* Dietz" [hand-written label]; "D Adamski ♂ genitalia slide 2201" [green label], [MCZ].

argyreella missp., Adamski & Brown (1989:25)

occidentella (Dietz 1900:115), *Dryope*, N. SYN.

Holotype ♀. "Kaweah, Cal[ifornia], [18]98"; "Type" [red label]; "Type 11300" [red label]; "*occidentella* Dietz" [hand-written label] (specimen is missing abdomen and left forewing), [MCZ].

erratella (Dietz 1910:4), *Dryope*, N. SYN.

Holotype ♂. “Hazleton P[ennsylvania], El[ectric] l[ight], 6[June]/19/1900”; “*erratella* Dietz” [hand-written label]; “MCZ Holotype 34660” [red label, affixed to pin by Adamski]; “D Adamski ♂ genitalia slide 2237” [green label], [MCZ]. Dietz (1900) did not specify the number of syntypes in proposing the name *erratella*, consequently, the exact number is not known. Because only one specimen has a hand-written label “*erratella* Dietz”; we can be reasonably sure that this specimen was either the only specimen representing this species, or one specimen of a series that we cannot identify.

murtfeldtella (Chambers 1874a:50), *Dryope*

Lectotype here designated: ♂, “Type 1437” [red label], “Kentucky”; “Peab[ody] Acad[emy]”; “51” [hand-written label], “*murtfeldtella* Ch[am]b[ers]” [hand-written label]; “D Adamski ♂ genitalia slide 2234” [green label], [MCZ].

Paralectotypes 7 ♂, 1 ♀, 6 Sex?. (1) “Type 1437” [red label], “Kentucky, Chambers”; “104” [hand-written label]; “D Adamski ♀ genitalia slide 2235” [green label]; “*murtfeldtella*” [hand-written label] (specimen is in a gelatin capsule). 1 ♀, [MCZ]. (2) “Type 1437” [red label]; “Kentucky, Chambers”; “*Dryope murtfeldtella* Cham[bers]” [hand-written label] (only hindwings attached to cork block remain of specimen). (Sex?), [MCZ]. (3) “Type 1437” [red label]; “Kentucky, Chambers”; “104” [hand-written label]; “*murtfeldtella*” [hand-written label] (specimen not dissected). (Sex?), [MCZ]. (4) “Type 1437” [red label]; “Kentucky, Chambers”; “*Dryope murtfeldtella* Cham[bers]” [hand-written label] (specimen is missing abdomen, and is not spread). (Sex?), [MCZ]. (5) “Type 1437” [red label], “Kentucky, Chambers”; “*Dryope murtfeldtella* Cham[bers]” [hand-written label] (specimen is missing abdomen, and is not spread). (Sex?), [MCZ]. (6) “Type 1437”

[red label]; “Kentucky, Chambers”; “*Dryope murtfeldtella* Cham[bers]” [hand-written label] (specimen is missing head and abdomen, and is not spread). (Sex?), [MCZ]. (7–8) “Type 1437” [red label], “Kentucky, Chambers”; “*Dryope murtfeldtella* Cham[bers]” [hand-written label] (specimens are missing abdomens and are not spread). (2Sex?), [MCZ]. (9) “Type 1437” [red label]; “Kentucky, Chambers”; “*Dryope murtfeldtella* Cham[bers]” [hand-written label] (specimen is not spread). 1 ♂, [MCZ]. (10) “Type 1437” [red label]; “Kentucky”; “Peab[ody] Acad[emy]”; “15” [hand-written label]; “*murtfeldtella*” [hand-written label]. 1 ♂, [MCZ]. (11) “Type 1437” [red label]; “Kentucky, Chambers”; “104” [hand-written label]; “*murtfeldtella*” [hand-written label] (specimen is missing abdomen). 1 ♂, [MCZ]. (12) “Kentucky, Chambers”; (specimen is not dissected). 1 ♂, [MCZ]. (13–14) “Kentucky, Chambers”; (both specimens are double mounted on same block; one specimen not dissected, and the other specimen with abdomen in gelatin vial). 2 ♂, [MCZ]. Chambers (1874) did not specify the number of syntypes in his description of this species.

luteopulvella (Chambers 1875b:73), *Dryope*, N. SYN.

Holotype ♀. “Type 1438” [red label]; “Kentucky”; “120” [hand-written label]; “*luteopulvella* Ch[am]b[ers]” [hand-written label]; “D Adamski ♀ genitalia slide 2178” [green label], [MCZ].

spoliatella Dietz 1900:110, *Pigritia*, N. SYN.

Lectotype here designated: ♂, “Hazleton P[ennsylvania], El[ectric] l[ight], 6[June]/2[illegible]/1900”; “Slide 17” [hand-written label]; “cotype” [red label]; “WG Dietz Coll[ection]”; “Type 2913” [red label]; “*spoliatella* Dietz” [hand-written label] (specimen is missing right forewing), [MCZ].

Paralectotype 1 ♀. "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/14/[18]98"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2913" [red label] (specimen is missing abdomen and left forewing), [MCZ]. Paralectotype female probably was misidentified as male by Dietz (1900).

pallidotinctella (Dietz 1900:111), *Epigritia*, N. SYN.

Lectotype designated by Adamski and Brown (1989): ♂, "7[July]/12/[18]95, El[ectric] light" [white label with red handwriting]; "Dr. Dietz, Hazleton Penn[sylvania]"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2915" [red label], "*pallidotinctella* Dietz" [hand-written label] (specimen is missing abdomen), [MCZ].

Paralectotype 1 ♂. "Hazleton P[ennsylvania], El[ectric] l[igh]t, 7[July]/29/[18]99"; "cotype" [red label]; "WG Dietz Coll[ection]"; "Type 2915" [red label] (specimen is missing right pair of wings), [MCZ]. One syntype is lost.

tenebrella (Dietz 1900:116), *Dryope*, N. SYN.

Lectotype here designated: ♂, "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/7/[18]99"; "cotype" [red label], "Type 14220" [red label]; "*tenebrella* Dietz" [hand-written label]; "D Adamski ♂ genitalia slide 2233" [green label], [MCZ].

Paralectotype 1 ♂. "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/7/[18]98"; "cotype" [red label]; "Type 14220" [red label] (specimen is missing abdomen), [MCZ]. One syntype is lost.

minnicella (Dietz 1900:116), *Dryope*, N. SYN.

Lectotype here designated: ♂, "Forsyth G[eorgi]a, [18]98"; "cotype" [red label]; "Type 14221" [red label]; "D Adamski ♂ genitalia slide 2229" [green label], [MCZ].

Paralectotypes 4 ♂. (1) "Forsyth G[eorgi]a, [18]98"; "cotype" [red label]; "Type 14221" [red label]; "D Adamski ♂ genitalia slide 2230" [green label]. 1 ♂, [MCZ]. (2); "Forsyth G[eorgi]a, [18]98"; "cotype" [red label]; "Type 14221" [red label]; "*minnicella* Dietz" [hand-written label] (specimen is not dissected). 1 ♂, [MCZ]. (3) "Forsyth G[eorgi]a, [18]98"; "cotype" [red label]; "Type 14221" [red label] (specimen is missing left forewing and is not dissected). 1 ♂, [MCZ]. (4) "Forsyth G[eorgi]a, [18]98"; (specimen is not dissected). 1 ♂, [MCZ]. All syntypes are accounted for.

minnieella Dietz 1900:120 missp.

grisella (Dietz 1900:116), *Dryope*, N. SYN.

Lectotype here designated: ♂, "Hazleton P[ennsylvania], El[ectric] l[igh]t, 6[June]/7/[18]99"; "cotype" [red label], "Type 14225" [red label]; "D Adamski ♂ genitalia slide 2218" [green label]; "*grisella* Dietz" [hand-written label], [MCZ].

Paralectotypes 2 ♂. (1) "S[ain]t Louis M[iss]o[uri], 6[June]/2-5/9[illegible]"; "cotype" [red label]; "D Adamski ♂ genitalia slide 2231" [green label]. 1 ♂, [MCZ]. (2) "743"; "2/IV[April]" [hand-written label]; "From Boll Texas"; "Collection CV Riley"; "*Pigritia* sp., (= 748), Walsingh[am], Aug[ust]/[18]91" [hand-written label]; "*Dryope grisella* Dietz" [hand-written label]. 1 ♂, [MCZ]. Two additional specimens from Saint Louis, Missouri without cotype labels are in the MCZ: ♂, "D Adamski ♂ genitalia slide 2223" [green label]; ♂, "D Adamski ♂ genitalia slide 2224" [green label]. Dietz (1900) did not specify the number of syntypes in his description of this species. The syntype(s) from South Dakota are lost.

fuscossuffusella (Dietz 1900:117), *Dryope*, N. SYN.

Lectotype here designated: ♂, "S[ain]t

